

FRANCIS DRAKE ADVENTURE GAME



This by far and away the most ambitious, interesting and testing program in this book.

This is an authentic historical adventure game based on Francis Drake's circumnavigation of the world, from 1577 to 1580. As you travel in the footsteps of Elizabeth I's free-booting adventurers, you will encounter the same problems and challenges as Drake.

Drake sailed in search of the elusive North West Passage that would allow him access to the Pacific, and the galleons of the Spanish Empire. As history books will already have told you, he did not find the object of his quest, but he did find much more, and so will you as you sail into the Francis Adventure Game.

How to play

Because of the complexity of this adventure the program has been split into two parts. This is because of the limitations of memory, but it will also mean that you do not have to complete entering the program at one sitting. You will have to store both halves on the same side of the tape, if you are 'saving', and, obviously, in the correct order.

Allow a slight gap between the two programs.

Load and run the first program but leave the PLAY button depressed so that the second program will run when loaded.

The first program displays the title and map which can be checked before proceeding.

The second program consists of the text. To test this half Key in MODE 1 : CLS press RETURN.

When the program has been loaded and RUN, you will hear the gentle lapping of waves against the shore.

On the map you will see your position marked by a white sailing ship, docked near the port of Lima.

Every time you use this game, the dangers and treasures will be located in different parts of the ocean, so do not think that you can predict your moves too easily. We didn't feel that it was fair, however, to move the rocks, reefs and Spanish galleons, so try and remember their positions. It will help you considerably.

You must follow Drake's route by first travelling to the

port known as New Albion and thence onward, past Java, to the bottom left hand corner of the map.

Your aim is to reach the bottom of the map with, at least, four times the amount of the cargo with which you began.

If you achieve this feat of daring then you will, naturally, be rewarded by the gift of a knighthood from your grateful, and avaricious, Queen.

You move using the ARROW cursor keys.

If you input wrong information, the cursor will return to the left hand side of the screen and wait for accurate information. Your screen will then be cleared of your previous false data input.

At intervals you will be told the situation at sea and asked which action you would like to take, from the choices shown.

Remember to consider your options carefully as to the amounts of cargo, supplies, cannon balls and crew conditions.

Damage rating is based on a 1 to 10 scale. If you are damaged to the level of 10 then I'm afraid it's into the sea for you, as the Golden Hind settles gently below your feet.

Do your best as the present Government is emptying the coffers more quickly than you are filling them.

Hints and changes you can make

One of the problems of displaying a map on the screen, is how to reduce the memory required and the number of

lines needed to describe the map. This is done by defining a string array M\$, with the number of elements being equal to the number of rows on the map. Standard shapes are then defined using VDU 23. The shapes are as shown below:



Each row of the map is assigned to an element of M\$ using the above shapes, and zero (to represent blanks). Each shape is described as a single digit by subtracting 224 from its shape number. This is displayed using CHR\$(224 + (shape number -224)).

If you find the adventure too easy, then reduce the cargo (CA), supplies (SU), crew (CR) and/or cannon balls (BA) that you start with. They are on line 410. If you find that knighthood escapes you, then reduce the 400 in line 480.

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10 REM FRANCIS DRAKE ADVENTURE GAME
20 REM COPYRIGHT (C) G.LUDINSKI 1983
30 MODE5:VDU23;8202;0;0;0;
40 PROC_TITLE
50 MODEL:VDU23;8202;0;0;0;
60 DIM M$(17)
70 VDU19,1,4;0;19,2,2;0;
80 COLOUR129:COLOUR2
90 CLS
100 GOTO170
110 DEFFNB(N$)
120 TF=0
130 FOR L=0 TO 7
140     TF=TF+(2^L)*VAL(MID$(N$,8-L,1))
150 NEXTL
160 =TF
170 VDU23,225,255,255,255,255,0,0,0,0
180 VDU23,226,0,0,0,0,255,255,255,255
190 B1=FNB("11110000"):VDU 23,227,B1,B
1,B1,B1,B1,B1,B1,B1,B1
200 B1=FNB("00001111"):VDU 23,228,B1,B
1,B1,B1,B1,B1,B1,B1,B1
210 Z1=FNB("11111110");Z2=FNB("11111110
0"):Z3=FNB("11111000"):Z4=FNB("11110000")
):Z5=FNB("11100000"):Z6=FNB("11000000"):
Z7=FNB("10000000")
220 L1=FNB("01111111"):L2=FNB("00111111

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1 " ) : L3 = FNB ( " 000011111 " ) : L4 = FNB ( " 000001111 "
) : L5 = FNB ( " 000000111 " ) : L6 = FNB ( " 000000011 " ) :
L7 = FNB ( " 000000001 " )
230 VDU 23, 229, 255, Z1, Z2, Z3, Z4, Z5, Z6, Z
7
240 VDU 23, 230, L7, L6, L5, L4, L3, L2, L1, 25
5
250 VDU 23, 233, 255, 255, 255, 255, 255, 255
, 255, 255
260 VDU 23, 232, Z7, Z6, Z5, Z4, Z3, Z2, Z1, 25
5
280 M$ ( 1 ) = " 99999930450000000799999999
99000 "
290 M$ ( 2 ) = " 999999300000000000079999999
95000 "
300 M$ ( 3 ) = " 99999930000000000009999517
30000 "
310 M$ ( 4 ) = " 99999500000000000007799000
30000 "
320 M$ ( 5 ) = " 7995000000000000000099000
00000 "
330 M$ ( 6 ) = " 0998003000000000000079290
00000 "
340 M$ ( 7 ) = " 0479000000000000000001192
00000 "
350 M$ ( 8 ) = " 04800002000000000000000007
02200 "
360 M$ ( 9 ) = " 08700600000000000000000000
19999 "
370 M$ ( 10 ) = " 07806902000000000000000000
04999 "
380 M$ ( 11 ) = " 00709903082200000000000000
69999 "
390 M$ ( 12 ) = " 00022000000798100000000000
49999 "
400 M$ ( 13 ) = " 00000001000000000000000000
09999 "
410 M$ ( 14 ) = " 00000000690800000000000000
04999 "
420 M$ ( 15 ) = " 00000069998900000000000000
00999 "
430 M$ ( 16 ) = " 00000699999980000000000000
00099 "
440 COLOUR129:COLOUR2:PRINT:FOR J=1 TO
16:PRINT " ";CHR$(64+J);" ";:FOR I=2 TO
O 31:P=VAL(MID$(M$(J),I,1)):IF P=0 THEN
PRINT " ";:GOTO460
450 PRINTCHR$(127+P);
460 NEXT
470 PRINT
480 NEXT
490 COLOUR130:COLOUR0:PRINTTAB(22,1)" .
New Albion":COLOUR129:PRINTTAB(28,15)"Li
ma";:COLOUR130:PRINT".":COLOUR129:PRINT
AB(5,13)"Java":GCOL0,3:MOVE160,992:DRAW1
120,992:DRAW1120,480:DRAW160,480:DRAW160
,992
500 COLOUR129:COLOUR3
510 PRINTTAB(5,17)" 1
2
520 PRINTTAB(5,18)"0123456789012345678
90123456789"
530 PRINT:REMP."Leave the play button
depressed"
540 CHAIN"DRAKE2"
550 END
560 DEFPROC_TITLE
570 COLOUR129:COLOUR3:CLS
580 FORI=1TO14:PRINT:NEXTI
590 PRINT" FRANCIS DRAKE":PRINT:PRIN

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T"      ADVENTURE GAME"
  600 FORI=1TO12:PRINT:NEXT
  610 COLOUR2
  620 PRINT"Copyright (C)":PRINT"    G.Lud
inski 1983";
  630 FORI=1TO3:SOUND0,-15,70,10:SOUND0,
-15,100,20:SOUND0,-10,70,20:SOUND0,-5,50
,20:SOUND0,-2,40,20:NEXT
  640 ENDPROC

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FRANCIS DRAKE ADVENTURE GAME

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  10 REM FRANCIS DRAKE ADVENTURE GAME
  20 REM COPYRIGHT (C) G.LUDINSKI 1983
  30 DIM M$(17)
  40 COLOUR129:COLOUR2
  50 AL=0
  60 GOTO130
  70 DEFENB(N$)
  80 TF=0
  90 FOR L=0 TO 7
 100 TF=TF+(2^L)*VAL(MID$(N$,8-L,1))
 110 NEXTL
 120 =TF
 130 VDU23,128,16,90,91,82,87,254,126,
62
 140 PROC_B
 150 SH$=CHR$(128)
 160 LA$=CHR$(136):RA$=CHR$(137):DA$=CH
R$(138):UA$=CHR$(139)
 170 M$(1)=" 99999993045000000799999999
99000 "
 180 M$(2)=" 9999999300000000000799999999
95000 "
 190 M$(3)=" 9999999300000000000099999517
30000 "
 200 M$(4)=" 99999500000000000007799000
30000 "
 210 M$(5)=" 7995000000000000000099000
00000 "
 220 M$(6)=" 0998003000000000000079290
00000 "
 230 M$(7)=" 047900000000000000001192
00000 "
 240 M$(8)=" 048000020000000000000007
02220 "
 250 M$(9)=" 087006000000000000000000
19999 "
 260 M$(10)=" 078069020000000000000000
04999 "
 270 M$(11)=" 007099030822000000000000
69999 "
 280 M$(12)=" 000220000079810000000000
49999 "
 290 M$(13)=" 000000010000000000000000
09999 "
 300 M$(14)=" 000000069989000000000000
04999 "
 310 M$(15)=" 000000699989000000000000
EEEE "
 320 M$(16)=" 000006999998000000000000

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EEEEEE "
330 FOR Y=1 TO 16
340 FOR X=2 TO 31
350 C$=MID$(M$(Y),X,1)
360 IF C$="9" THEN GOTO400
370 IF C$="0" THEN IS=INT(7*RND(1)
):PROC_INSERT:GOTO400
380 IF C$="E" THEN IS=4:PROC_INSERT
:GOTO400
390 IF (X > 4 AND X < 15 AND Y > 7
AND Y < 14) THEN IS=INT(2*RND(1)+7):PRO
C_INSERT ELSE IS=10:PROC_INSERT
400 NEXT:NEXT
410 CA=100:SU=100:CR=85:BA=100:DA=0:WK
=1
420 EN=0
430 X=29:Y=16:X1=29:Y1=16
440 IF WK=1 THEN COLOUR129:COLOUR3:PRI
NTTAB(X+4,Y);SH$;CHR$(8);
450 *FX 4,1
460 PRINTTAB(0,20)"Week Cargo Supplies
Crew Cannon Damage
balls"
470 PRINTTAB(0,23);STRING$(39," ");
480 IF X=1 AND Y=16 THEN PRINTTAB(0,25
)"You have survived the unknown, and now
know you are the first commander of a
fleet to sail around the world.":IF CA
>= 400 THEN PRINT"Arise Sir Francis":GO
TO 1390
490 IF X=1 AND Y=16 THEN EN=1
500 IF (X=17 AND Y=1) OR (X=18 AND Y=2
) OR (X=19 AND Y=4) THEN AL=1
510 IF X < 15 AND AL=0 THEN PROC_B:PRI
NTTAB(0,25)"Go back to New Albion"
520 IF SU <=0 THEN PROC_B:PRINTTAB(0,2
5)"Your supplies have been used up so yo
ur crew mutinies, and kills you.":SU=0:E
N=1
530 IF CR <=0 THEN PROC_B:PRINTTAB(0,2
5)"Your crew have all been killed in bat
tle or have died of scurvy, typhus or
dysentery. You're stranded without th
em.":CR=0:EN=1
540 IF DA > 10 THEN PROC_B:PRINTTAB(0,
25)"Your ship has filled with water and"
'"sunk.":EN=1
550 IF BA < 0 THEN BA=0
560 IF EN=1 THEN GOTO 1390
570 PRINTTAB(0,23);WK;TAB(6,23);CA;TAB
(12,23);SU;TAB(21,23);CR;TAB(26,23);CA;T
AB(33,23);DA
580 I$=GET$
590 PROC_B
600 IF (X=1 AND I$=LA$) OR (X=30 AND I
$=RA$) OR (Y=1 AND I$=UA$) OR (Y=16 AND
I$=DA$) THEN GOTO 580
610 IF I$=LA$ AND MID$(M$(Y),X-1,1) <>
"0" AND MID$(M$(Y),X-1,1) <> "9" AND MI
D$(M$(Y),X,1) <> "2" THEN X=X-1
620 IF I$=RA$ AND (MID$(M$(Y),X+1,1) <
> "2" AND MID$(M$(Y),X+1,1) <> "9" AND M
ID$(M$(Y),X,1) <> "0") THEN X=X+1
630 IF I$=DA$ AND (MID$(M$(Y+1),X,1) <
> "3" AND MID$(M$(Y+1),X,1) <> "9" AND M
ID$(M$(Y),X,1) <> "1") THEN Y=Y+1
640 IF I$=UA$ AND (MID$(M$(Y-1),X,1) <
> "1" AND MID$(M$(Y-1),X,1) <> "9" AND M
ID$(M$(Y),X,1) <> "3") THEN Y=Y-1
650 WK=WK+1

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660 IF DA <> 0 THEN DA=DA+1
670 SU=SU-1
680 PRINTTAB(X1+4,Y1) ". ";
690 COLOUR3:PRINTTAB(X+4,Y);SH$;CHR$(8
);
700 IF X=X1 AND Y=Y1 AND WK <> 1 THEN
SOUND 0,-15,53,10:PROC_REEF:GOTO770
710 IF MID$(M$(Y),X,1)="A" AND DA <> 0
THEN DA=0:PROC_B:PRINTTAB(0,25) "You hav
e arrived at a port so you can now get
your ship repaired.":GOTO770
720 IF MID$(M$(Y),X,1)="4" THEN PROC_B
:GOTO770
730 IF MID$(M$(Y),X,1)="5" THEN PROC_N
AMSHIP
740 IF MID$(M$(Y),X,1)="6" THEN PROC_S
HIP
750 IF MID$(M$(Y),X,1)="7" THEN PROC_T
RADE
760 IF MID$(M$(Y),X,1)="8" THEN PROC_H
OSTILE
770 X1=X:Y1=Y
780 GOTO460
790 DEFPROC_REEF
800 W=INT(2*RND(1))
810 IF X < 15 THEN RR$="reef" ELSE RR$
="rock"
820 PROC_B
830 IF W=0 THEN PRINTTAB(0,25) "There i
s a ";RR$;" ahead. Turn around.":GOTO900
840 PRINTTAB(0,25) "You have run agroun
d on a ";RR$;" ". "Are you going to throw
cargo and guns overboard, or put out
an anchor to ";"windward";
850 INPUT R$:IF INSTR(R$+" ", "OVE
RBOARD") <> 0 OR INSTR(R$+" ", "over
board") <> 0 THEN R$="OVERBOARD":GOTO880
860 IF INSTR(R$+" ", "ANCHOR") <>
0 OR INSTR(R$+" ", "anchor") <> 0 TH
EN R$="ANCHOR":GOTO880
870 VDU 11:GOTO850
880 IF R$="OVERBOARD" THEN CA=CA-RND(2
0):GOTO900
890 W2=INT(2*RND(1)):PROC_B:IF W2=0 TH
EN PRINTTAB(0,25) "You have broken free w
ithout any"'"significant damage." ELSE P
RINTTAB(0,25) "Your ship, the Golden Hind
, is holed. Return to dry land at once
or it will sink.":DA=DA+1
900 ENDPROC
910 DEFPROC_B
920 PRINTTAB(0,25) SPC(238)
930 ENDPROC
940 DEFPROC_NAMSHIP
950 PROC_B
960 IF RND(2)=1 THEN PRINTTAB(0,25) "Yo
u see a Spanish galleon, the Caca-"'"fue
go. Are you going to attack it or '"ign
ore it";:GOTO980
970 PRINTTAB(0,25) "You see a Spanish g
alleon, the Esprito Santo. Are you goin
g to attack it or'"ignore it";
980 INPUT R$:IF INSTR(R$+" ", "ATT
ACK") <> 0 OR INSTR(R$+" ", "attack"
) <> 0 THEN R$="ATTACK":GOTO1010
990 IF INSTR(R$+" ", "IGNORE") <>
0 OR INSTR(R$+" ", "ignore") <> 0 TH
EN R$="IGNORE":GOTO1010
1000 VDU11:GOTO980
1010 IF R$="ATTACK" AND CA <= 0 THEN PR

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OC_B:PRINTTAB(0,25)"You draw alongside t
he galleon and then find you have no can
non balls left so the Spanish win the
battle and leave you to die.":EN=1:GOTO10
30
1020 IF R$="ATTACK" THEN PROC_B:PRINTTA
B(0,25)"You fight a fierce battle and fi
nally take command of the galleon and
transfer its cargo to the hold of the Gol
den"."Hind.":CA=CA+RND(20):BA=BA-RND(20)
:FORD=1TO100:NEXTD
1030 ENDPROC
1040 DEFPROC_SHIP
1050 PROC_B
1060 PRINTTAB(0,25)"You see a Spanish g
alleon. Are you going to attack it or ign
ore it";
1070 INPUT R$:IF INSTR(R$+"", "ATT
ACK") <> 0 OR INSTR(R$+"", "attack"
) <> 0 THEN R$="ATTACK":GOTO1100
1080 IF INSTR(R$+"", "IGNORE") <>
0 OR INSTR(R$+"", "ignore") <> 0 TH
EN R$="IGNORE":GOTO1100
1090 VDU11:GOTO1070
1100 IF R$="IGNORE" THEN ENDPROC
1110 PROC_B
1120 PRINTTAB(0,25)"Are you going to fi
re your cannons at the galleon, or set
fire to some old ships and let them
drift towards it, or sneak up alongside
it and board it?";
1130 INPUT R$:IF INSTR(R$+"", "CANN
ON") <> 0 OR INSTR(R$+"", "cannon")
<> 0 THEN R$="CANNONS":GOTO1170
1140 IF INSTR(R$+"", "SET FIRE")
<> 0 OR INSTR(R$+"", "set fire")
THEN R$="SET FIRE":GOTO1170
1150 IF INSTR(R$+"", "SNEAK") <> 0
OR INSTR(R$+"", "sneak") THEN R$="SN
EAK":GOTO1170
1160 VDU11:GOTO1130
1170 PROC_B
1180 IF R$ <> "CANNONS" THEN GOTO1210
1190 IF RND(2)=1 THEN PRINTTAB(0,25)"Yo
ur ship gets holed and some of your cr
ew are shot. Return to dry land at"."onc
e.":DA=DA+1:BA=BA-RND(20):CR=CR-RND(10)
:GOTO1290
1200 PRINTTAB(0,25)"As your ship is sma
ller and lower than the galleon, you ma
nage to put it out of action and board it
without incurring any damage to your
ship.":CA=CA+RND(20):SU=SU+RND(20):BA=BA
+RND(20):GOTO1290
1210 IF R$ <> "SET FIRE" THEN GOTO 1250
1220 PROC_B
1230 IF RND(2)=1 THEN PRINTTAB(0,25)"Th
e wind changes direction and the"."burni
ng ships drift towards the Golden Hind,
setting the mizzen mast alight. Retur
n to dry land at once.":DA=DA+1:GOTO1290
1240 PRINTTAB(0,25)"The burning ships d
rift towards the"."galleon, setting it a
light. The captain surrenders and you tr
ansfer his cargo to your hold.":CA=CA+RND
(20):SU=SU+RND(20):BA=BA+RND(20):GOTO129
0
1250 IF R$ <> "SNEAK" THEN GOTO1290
1260 PROC_B
1270 IF RND(2)=1 THEN PRINTTAB(0,25)"Th

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ey see you approaching and, realising yo
u are English, they open fire, shoot- in
g some of your crew and damaging your bo
at. Return to port at once.":BA=BA-RND(2
0):DA=DA+1:CR=CR-RND(10):GOTO1290
1280 PRINTTAB(0,25)"They assume you are
Spanish as English ships have never be
en this far before, so you manage to bo
ard the galleon and capture it and its
rich cargo.":CA=CA+RND(20):SU=SU+RND(20)
:BA=BA+RND(20)
1290 ENDPROC
1300 DEFPROC_TRADE
1310 PROC_B:PRINTTAB(0,25)"You buy clov
es cheaply from the islanders.":
CA=CA+RND(20):SU=SU+RND(20)
1320 ENDPROC
1330 DEFPROC_HOSTILE
1340 PROC_B:PRINTTAB(0,25)"Hostile isla
nders pelt you with stones.":CR=CR-RND(2
0)
1350 ENDPROC
1360 DEFPROC_INSERT
1370 IF IS <> 10 THEN M$(Y)=LEFT$(M$(Y)
,X-1)+STR$(IS)+RIGHT$(M$(Y),31-X) ELSE M
$(Y)=LEFT$(M$(Y),X-1)+"A"+RIGHT$(M$(Y),3
1-X)
1380 ENDPROC
1390 *FX4,0
1400 END

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