

```

10 ON ERROR GOTO 440
20 MODE 2:P=250:DIM NOMCLI$(P),DOMC
LI$(P),CIUCLI$(P):FOR F=1 TO FA:DIM
CLI$(F):NEXT
30 DIM M$(12):FOR J=1 TO 12:READ M$(
J):NEXT:DATA ENERO,FEBRERO,MARZO,A
BRIL,MAYO,JUNIO,JULIO,AGOSTO,SEPTIEM
BRE,OCTUBRE:FI=1
40 DATA NOVIEMBRE,DICIEMBRE
50 CLS:LOCATE 28,6:PRINT CHR$(24);C
HR$(150);STRING$(23,CHR$(154));CHR$(
156);CHR$(24);CHR$(24):LOCATE 28,7
:PRINT CHR$(149);" FACTURACION
"CHR$(149):LOCATE 28,8:PRINT
CHR$(147);STRING$(23,CHR$(154));CH
R$(153);CHR$(24)
60 LOCATE 28,10:PRINT "PROGRAMA DE
JAVIER GARCIA"
70 LOCATE 34,12:PRINT "MADRID - 198
7":LOCATE 26,18 :PRINT "PULSE UNA T
ECLA PARA COMENZAR":PLOT 195,330:DR
AWR 241,0:DRAWR 0,-133:DRAWR -241,0
:DRAWR 0,133:PLOT 192,335:DRAWR 248
0,0:DRAWR 0,-143:DRAWR -248,0:DRAWR
0,143:CALL &BB18
80 CLS:GOSUB 400
90 REM GOSUB 250
100 CLS #2:CLS #1:CLS:GOSUB 500
110 GOSUB 310:ON C GOSUB 540,760,60
0
120 GOTO 100
130 END
140 REM *****
150 REM *** INPUT ***
160 REM *****
170 alfa$=""
180 LOCATE #0,x,y:PRINT #0,CHR$(143
):LOCATE #0,x,y:PRINT #0," ":a$=UPP
ER$(INKEY$):IF a$="" THEN 180
190 IF a$=CHR$(13) THEN RETURN
200 IF a$=CHR$(127) AND x<1 THEN x
=x-1:alfa$=MID$(alfa$,1,LEN(alfa$)-
1):GOTO 180 ELSE IF a$=CHR$(127) AN
D x=1 THEN alfa$=MID$(alfa$,1,LEN(
alfa$)):GOTO 180
210 LOCATE #0,x,y:PRINT #0,a$:IF x=
x2 THEN 180
220 X=X+1:ALFA$=ALFA$+a$:GOTO 180
230 REM *****
240 REM ** CALL bb18 **
250 REM *****
260 CLS #1:CLS #2:LOCATE #2,23,1:PR
INT #2,"PULSE UNA TECLA PARA CONTIN
UAR":CALL &BB18
270 RETURN
280 REM *****

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290 REM ** DETECTA NUMEROS **
300 REM *****
310 C$=INKEY$:IF C$("<1" OR C$")3" T
HEN 310
320 C=VAL(C$):RETURN
330 REM *****
340 REM ** NO EXISTE FICHERO **
350 REM *****
360 IF FI=1 THEN CLS #1:PRINT #2,"
NO EXISTEN DATOS EN MEMORIA PARA TR
ABAJAR. PULSE UNA TECLA PARA VOLVER
AL MENU":CALL &BB18:GOTO 100:ELSE
RETURN
370 REM *****
380 REM ** WINDOWS **
390 REM *****
400 WINDOW #0,1,80,1,19:WINDOW #1,1
,80,21,25:WINDOW #2,1,80,19,21:RETU
RN
410 REM *****
420 REM ** TRATAMIENTO DE ERRORES *
*
430 REM *****
440 IF DERR=146 AND ERL=1900 THEN R
ESUME 1910
450 IF DERR=146 THEN CLS #1:CLS #2:
CLS:LOCATE 26,13:PRINT "NO EXISTE E
L FICHERO "nombre$:GOSUB 260:CLS #2
:CLS:CAT:GOSUB 260:RESUME 100
460 RESUME 100
470 REM *****
480 REM ** MENU **
490 REM *****
500 PRINT #1,STRING$(37,"=");" MENU
";STRING$(37,"=");:PRINT #1,"
1.CARGAR FICHERO 2.EMITIR FA
CTURAS 3.ABANDONAR PROGRAMA":PRI
NT #1,STRING$(80,"="):RETURN
510 REM *****
520 REM ** CARGAR FICHERO **
530 REM *****
540 CLS:CLS #1:CLS #2:PRINT #1,CHR$(
24)"EL FICHERO A CARGAR EN ESTE PR
OGRAMA (FICHERO DE CLIENTES),DEBERA
HABERSE CREADO CON ANTERIORIDAD EN
EL PROGRAMA RECIBOS
"CHR$(24)
550 PRINT #2,"NOMBRE DEL FICHERO A
CARGAR":O=2:X=30:Y=1:X1=X:X2=38:GOS
UB 170:NOMBRES$=ALFA$:IF NOMBRES$=""
THEN RETURN
560 H$=NOMBRES$+".CLI":OPENIN H$:INP
UT #9,FI:FOR I=1 TO FI:INPUT #9,NOM
CLI$(I),DOMCLI$(I),CIUCLI$(I),i$,i$

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,i$,i$,i$:NEXT:CLOSEIN:GOSUB 260:RE
TURN
570 REM *****
580 REM ** ABANDONAR PROGRAMA **
590 REM *****
600 CLS:CLS #1:CLS #2:GOSUB 400
610 PRINT #1,STRING$(36,"=");" SUBM
ENU ";STRING$(35,"=");:PRINT #1,"
1.PROGRAMA RECIBOS 2.PROGRAMA
CONTABILIDAD 3.ABANDONAR O
PCION":PRINT #1,STRING$(80,"=")
620 GOSUB 310:ON C GOTO 720,2040,64
0
630 GOTO 600
640 CLS #1:CLS #2:PRINT #2,"ESTA SE
GURO (S/N)":O=2:X=20:Y=1:X1=X:X2=21
:GOSUB 170:IF ALFA$="S" THEN GOTO 6
60 ELSE IF ALFA$("<")N" THEN 640
650 RETURN
660 CLS #2:CLS:LOCATE 25,3:PRINT "F
INAL DEL PROGRAMA:"
670 LOCATE 28,6:PRINT CHR$(24);CHR$(
150);STRING$(23,CHR$(154));CHR$(15
6);CHR$(24);CHR$(24):LOCATE 28,7:PR
INT CHR$(149);" FACTURACION
"CHR$(149):LOCATE 28,8:PRINT CH
R$(147);STRING$(23,CHR$(154));CHR$(
153);CHR$(24)
680 LOCATE 28,10:PRINT "PROGRAMA DE
JAVIER GARCIA":LOCATE 34,12:PRINT
"MADRID - 1987":PLOT 195,330:DRAWR
241,0:DRAWR 0,-133:DRAWR -241,0:DR
AWR 0,133:PLOT 193,332:DRAWR 245,0:O
RAWR 0,-137:DRAWR -245,0:DRAWR 0,13
7
690 LOCATE 33,15:PRINT CHR$(24)"PUL
SE UNA TECLA"CHR$(24):CALL &BB18
700 MODE 1:WINDOW #6,1,40,1,2:WINDO
W 1,40,3,25:PRINT #6," "CHR$(C
164);" SOFTWARE JAVIER GARCIA"
710 NEW
720 RUN "RECIBOS"
730 REM *****
740 REM ** EMITIR FACTURAS **
750 REM *****
760 GOSUB 360:CLS #1:IF NOMBRES$=""
THEN 760 ELSE PRINT #2,"DESEA CARGA
R FICHERO CORRESPONDIENTE A " CHR$(C
34);NOMBRES$ CHR$(34);" (S/N)":
770 O=2:X=57:Y=1:X1=X:X2=58:GOSUB 1
70:IF ALFA$="S" THEN GOSUB 1480:GOT
O 890
780 CLS:CLS #1:CLS #2:PLOT 140,360:
DRAWR 348,0:DRAWR 0,-150:DRAWR -348
0,0:DRAWR 0,150:LOCATE 20,4:PRINT CH
R$(24)"VARIABLES COMUNES PARA TODAS

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LAS FACTURAS"CHR$(24)
790 LOCATE 22,6:PRINT "DATOS PARA E
L"
800 LOCATE 22,8:PRINT "MEMBRETE DE
LAS"
810 LOCATE 22,10:PRINT "FACTURAS"
820 PLOT 343,320:DRAWR 113,0:DRAWR
0,-17:DRAWR -113,0:DRAWR 0,17
830 PLOT 343,288:DRAWR 113,0:DRAWR
0,-17:DRAWR -113,0:DRAWR 0,17
840 PLOT 343,256:DRAWR 113,0:DRAWR
0,-17:DRAWR -113,0:DRAWR 0,17
850 O=0:X=44:Y=6:X1=X:X2=57:GOSUB 1
70:IF ALFA$="" THEN 850 ELSE CABUDO
$=ALFA$
860 O=0:X=44:Y=8:X1=X:X2=57:GOSUB 1
70:IF ALFA$="" THEN 860 ELSE CABDOS
$=ALFA$
870 O=0:X=44:Y=10:X1=X:X2=57:GOSUB
170:IF ALFA$="" THEN 870 ELSE CABTR
ES$=ALFA$
880 GOSUB 1520
890 GOSUB 1720
900 GOSUB 360:CLS:CLS #1:CLS #2:PRI
NT #2,"CODIGO DEL CLIENTE A QUIEN S
E QUIERE FACTURAR":O=2:X=49:Y=1:X1
=X:X2=51:GOSUB 170:IF VAL(ALFA$)<1
OR VAL(ALFA$)>FI-1 THEN 900 ELSE NU
M=VAL(ALFA$)
910 CLS:CLS #1:CLS #2:PLOT 140,392:
DRAWR 325,0:DRAWR 0,-264:DRAWR -325
0,0:DRAWR 0,264:LOCATE 20,2:PRINT CH
R$(24)" IMPORTES PARA EFECTUAR LOS
CALCULOS "CHR$(24)
920 LOCATE 21,4:PRINT "NOMBRE DEL C
LIENTE:"
930 PLOT 159,320:DRAWR 281,0:DRAWR
0,-17:DRAWR -281,0:DRAWR 0,17
940 LOCATE 22,6:PRINT SPC(33):LOCAT
E 21,6:PRINT NOMCLI$(NUM)
950 T=T+1:TA=TA+1
960 CLS:CLS #1:NOMCLI$(NUM)
970 COD(T)=NUM
980 LOCATE 21,8:PRINT "CONCEPTO":L
OCATE 21,12:PRINT "IMPORTE":LOCATE
21,14:PRINT "DESCUENTO % IVA
% GASTOS ENVIO "
990 PLOT 159,256:DRAWR 281,0:DRAWR
0,-17:DRAWR -281,0:DRAWR 0,17:PLOT
375,224:DRAWR 65,0:DRAWR 0,-17:DR
AWR -65,0:DRAWR 0,17:PLOT 383,160:DR
AWR 57,0:DRAWR 0,-17:DRAWR -57,0:DR
AWR 0,17:PLOT 183,160:DRAWR 25,0:DR
AWR 0,-17:DRAWR -25,0:DRAWR 0,17
1000 PLOT 303,160:DRAWR 25,0:DRAWR
0,-17:DRAWR -25,0:DRAWR 0,17

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1010 0=0:X=21:Y=10:X1=X:X2=55:GOSUB
170:IF ALFA$="" THEN 1010 ELSE CON
CEP$(T)=ALFA$
1020 0=0:X=48:Y=12:X1=X:X2=55:GOSUB
170:IF VAL(ALFA$)=0 THEN 1020 ELSE
HONORA(T)=VAL(ALFA$)
1030 0=0:X=24:Y=16:X1=X:X2=26:GOSUB
170:DESC(T)=VAL(ALFA$)
1040 0=0:X=39:Y=16:X1=X:X2=41:GOSUB
170:IVA(T)=VAL(ALFA$)
1050 0=0:X=49:Y=16:X1=X:X2=55:GOSUB
170:TRANS(T)=VAL(ALFA$)
1060 GOSUB 260
1070 CLS:CLS #1:CLS #2:PRINT #2,SPC
(5);"QUIERE CONFECCIONAR MAS FACTUR
AS (S/N)":0=2:X=47:Y=1:X1=X:X2=48:
GOSUB 170:IF ALFA$="S" THEN GOTO 90
0 ELSE IF ALFA$="N" THEN GOTO 1080
ELSE 1070
1080 CLS:CLS #2:CLS #1:PRINT #2,SPC
(5);"QUIERE OBTENER UNA "CHR$(24)"R
ELACION DE LAS FACTURAS"CHR$(24)"A
EMITIR (S/N)":0=2:X=68:Y=1:X1=X:X
2=69:GOSUB 170:IF ALFA$="S" THEN GO
TO 1090 ELSE IF ALFA$="N" THEN GOTO
1110 ELSE 1080
1090 CLS #2:CLS #1:PRINT #2,SPC(3);
"LA DESEA VER POR PANTALLA U OBTENE
R POR IMPRESORA (P/I)":0=2:X=60:Y
=1:X1=X:X2=61:GOSUB 170:CLS:IF ALFA
$="P" THEN COMP=0 ELSE COMP=8
1100 LIN=60:GOSUB 1560:CALL &BB18
1110 CLS:CLS #2:CLS #1:PRINT #2,SPC
(13);"PONGA EN MARCHA LA IMPRESORA
SI LA TIENE APAGADA"
1120 CALL &BB18
1130 CLS:CLS #1:CLS #2:PRINT #1,CHR
$(24)" SI ES LA PRIMERA VEZ QUE RUE
DA ESTE PROGRAMA, TECLEE EL NUMERO
DE LA FACTURA A CONFECCIONAR, EN CA
SO CONTRARIO PULSE ENTER
"CHR$(24)
1140 PRINT #2,"NUMERO DE LA PRIMERA
FACTURA":0=2:X=30:Y=1:X1=X:X2=33:G
OSUB 170:IF ALFA$="" THEN GOSUB 190
0 ELSE NUMERO(0)=VAL(ALFA$)-1
1150 GOSUB 260
1160 FOR T=1 TO TA
1170 NUMERO(T)=NUMERO(T-1)+1
1180 FOR I=1 TO 3:PRINT #8:NEXT
1190 PRINT #8,SPC(5);CABUNOS;" ";CA
BDOS$;SPC(15);"FACTURA Nro. ";USIN
G "#####";COLEGI;
1200 IF NUMERO(T)<10 THEN PRINT #8,
"0000";USING "##";NUMERO(T)
1210 IF NUMERO(T)=10 AND NUMERO(T)
<100 THEN PRINT #8,"000";USING "###
";NUMERO(T)
1220 IF NUMERO(T)>100 AND NUMERO(T)
<1000 THEN PRINT #8,"00";USING "##
";NUMERO(T)
1230 PRINT #8,SPC(5);CABTRES$
1240 FOR I=1 TO 6:PRINT #8:NEXT
1250 PRINT #8,SPC(30);CLI$(T)
1260 PRINT #8,SPC(30);DOMCLI$(COD(T)
)
1270 PRINT #8,SPC(30);CIUCLI$(COD(T)
)
1280 FOR I=1 TO 3:PRINT #8:NEXT
1290 PRINT #8,SPC(30);LOCALI$;" ";
D$;" DE ";MESI$;" DE 19";YEAR$
1300 PRINT #8:PRINT #8
1310 PRINT #8,SPC(5);"CONCEPTO";SPC
(50);"IMPORTE"
1320 PRINT #8,SPC(5);STRING$(66,"-")
1330 PRINT #8:PRINT #8,SPC(5);CONCE
P$(T);SPC(57)-LEN(concep$(T));USING
"#####";HONORA(T)
1340 FOR I=1 TO 10:PRINT #8:NEXT
1350 PRINT #8,SPC(29);IVA(T);" % s/
";USING "#####";HONORA(T);:PRINT
#8,SPC(16);USING "#####";HONORA
(T)*IVA(T)/100
1360 PRINT #8,SPC(30);"GASTOS ENVIO
";SPC(20);USING "#####";TRANS(T)
1370 PRINT #8,SPC(30);"DESCUENTO "
;DESC(T);" % s/";USING "#####";HO
NORA(T);:PRINT #8,SPC(6);USING "###
#####";HONORA(T)*DESC(T)/100
1380 FOR I=1 TO 3:PRINT #8:NEXT
1390 PRINT #8,SPC(28);"LIQUIDO TOTA
L.....";USING "#####
####";HONORA(T)+(HONORA(T)*IVA(T)/1
00)+TRANS(T)-(HONORA(T)*DESC(T)/100
)
1400 PRINT #8,SPC(28);STRING$(42,"=
")
1410 FOR I=1 TO 14:PRINT #8:NEXT
1420 NEXT
1430 GOSUB 1850
1440 GOSUB 260:GOTO 100
1450 REM *****
1460 REM ** CARGAR FICHERO-2 **
1470 REM *****
1480 H$=NOMBRE$+".FI2":OPENIN H$:IN
PUT #9,CABUNOS,CABDOS$,CABTRES$:CLO
SEIN:RETURN
1490 REM *****
1500 REM ** SALVAR FICHERO-2 **
1510 REM *****
1520 H$=NOMBRE$+".FI2":OPENOUT H$:W
RITE #9,CABUNOS,CABDOS$,CABTRES$:CL
OSEOUT:RETURN
1530 REM *****
1540 REM ** IMPRIMIR RELACION DE FA
CTURAS **
1550 REM *****
1560 GOSUB 360
1570 IF LIN>57 THEN GOSUB 1950 ELSE
LIN=LIN+1
1580 FOR T=1 TO TA: TOTAL=0
1590 TOTAL=TOTAL+HONORA(T)+(HONORA(
T)*IVA(T)/100)+TRANS(T)-(DESC(T)*H
ONORA(T))/100)
1600 PRINT #COMP,USING "###";COD(T)
;:PRINT #COMP,SPC(2);CLI$(T);STRING
$(65)-LEN(CLI$(T));". ";SPC(1);USING
"#####";TOTAL
1610 TOTA=TOTA+TOTAL
1620 NEXT
1630 PRINT #COMP:PRINT #COMP,STRING
$(30,"=")
1640 PRINT #COMP,SPC(10);"IMPORTE T
OTAL ";STRING$(45,".");USING "####
#####";TOTA
1650 TOTA=0
1660 PRINT #COMP,STRING$(80,"=")
1670 IF comp<>8 THEN RETURN
1680 FOR I=LIN TO 57:PRINT #comp:NE
XT:RETURN
1690 REM *****
1700 REM ** RUTINA FECHA,LOCALIDAD
Y CODIGO NUMERACION **
1710 REM *****
1720 CLS:CLS #1:CLS #2:PLOT 140,360
:DRAW 348,0:DRAW 0,-150:DRAW -34
8,0:DRAW 0,150:LOCATE 20,4:PRINT C
HR$(24)"DATOS PARA LA EXPEDICION DE
LAS FACTURAS"CHR$(24)
1730 CLS #2:LOCATE 22,6:PRINT "FECH
A: (DDMMAA)":LOCATE 22,8:PRINT "LO
CALIDAD:":LOCATE 22,10:PRINT "CODIG
O PARA NUMERACION:"
1740 PLOT 407,320:DRAW 57,0:DRAW
0,-17:DRAW -57,0:DRAW 0,17
1750 PLOT 375,288:DRAW 89,0:DRAW
0,-17:DRAW -89,0:DRAW 0,17
1760 PLOT 423,256:DRAW 41,0:DRAW
0,-17:DRAW -41,0:DRAW 0,17
1770 0=0:X=52:Y=6:X1=X:X2=58:GOSUB
170:IF ALFA$="" OR LEN(ALFA$)<6 THE
N 1770 ELSE F$=ALFA$:d$=LEFT$(F$,2)
:YEAR$=RIGHT$(F$,2):MON$=MID$(F$,3,
2)
1780 IF D$>"31" OR MON$>"12" OR D$<
"01" OR MON$<"01" THEN 1770 ELSE ME
S$=M$(VAL(MON$))
1790 0=0:X=48:Y=8:X1=X:X2=58:GOSUB
170:IF ALFA$="" THEN 1790 ELSE LOCA
LI$=ALFA$
1800 0=0:X=54:Y=10:X1=X:X2=58:GOSUB
170:IF ALFA$="" THEN 1800 ELSE COL
EGI=VAL(ALFA$)
1810 RETURN
1820 REM *****
1830 REM ** SALVAR FICHERO 3 **
1840 REM *****
1850 H$=NOMBRE$+".FI3":ERA,h$:OPEN
OUT H$:WRITE #9,NUMERO(TA):CLOSEOUT
1860 R$=NOMBRE$+".FI4":OPENOUT R$:W
RITE #9,TA:FOR T=1 TO TA:WRITE #9,C
OD(T),NUMERO(T),CLI$(T),CONCEP$(T),
HONORA(T),IVA(T),TRANS(T),DESC(T):N
EXT:CLOSEOUT:RETURN
1870 REM *****
1880 REM ** CARGAR FICHERO 3 **
1890 REM *****
1900 H$=NOMBRE$+".FI3":OPENIN H$:IN
PUT #9,NUMERO(0):CLOSEIN
1910 RETURN
1920 REM *****
1930 REM ** CABECERA **
1940 REM *****
1950 PAG=PAG+1
1960 PRINT #COMP,CABUNOS;" ";CABDOS
$;STRING$(70)-LEN(CABUNOS+CABDOS$),"
";"PAG. ";USING "###";PAG
1970 PRINT #COMP,CABTRES$
1980 PRINT #COMP:PRINT #COMP,SPC(10)
;"RELACION DE FACTURAS EMITIDAS EL
";D$;" DE ";MESI$;" DE 19";YEAR$
1990 PRINT #COMP,SPC(10);STRING$(43
+LEN(D$+MESI$+YEAR$), "=")
2000 PRINT #COMP:PRINT #COMP:PRINT
#COMP,"DATOS DEL CLIENTE";SPC(55);"
IMPORTE"
2010 PRINT #COMP,STRING$(80,"="):PR
INT #COMP
2020 LIN=9
2030 RETURN
2040 RUN "CONTABIL"

```