

Example for FORTRAN

This section contains an example of using direct Adabas calls in FORTRAN. The previously defined Adabas files are used in each example.

```

C   *** CONTROL BLOCK ***
INTEGER*4   CB(20),CID,ISN,ISNL,ISNQ
INTEGER*4   ADD1(2),ADD2,ADD3(2),ADD4(2),ADD5(2)
INTEGER*4   CTIME,UAREA
INTEGER*2   CBI(40),CCODE,FNR,RC,FBL,RBL,SBL,VBL,IBL
LOGICAL*1   CBL(80),COPT1,COPT2
EQUIVALENCE      (CB(1),CBI(1),CBL(1))
EQUIVALENCE      (CID,CB(2)),(ISN,CB(4))
EQUIVALENCE      (ISNL,CB(5)),(ISNQ,CB(6))
EQUIVALENCE      (ADD1(1),CB(10)),(ADD2,CB(12)),(ADD3(1),CB(13))
EQUIVALENCE      (ADD4(1),CB(15)),(ADD5(1),CB(17))
EQUIVALENCE      (CTIME,CB(19)),(UAREA,CB(20))
EQUIVALENCE      (CCODE,CBI(2)),(FNR,CBI(5)),(RC,CBI(6))
EQUIVALENCE      (FBL,CBI(13)),(RBL,CBI(14)),(SBL,CBI(15))
EQUIVALENCE      (VBL,CBI(16)),(IBL,CBI(17))
EQUIVALENCE      (COPT1,CBL(35)),(COPT2,CBL(36))

C   *** USER BUFFER AREAS ***
INTEGER*4   FB(25),RB(50),SB(10),VB(10),IB(50)
*
*
C   *** ADDITIONAL FIELDS USED IN THIS EXAMPLE ***
LOGICAL*1   BLANK/1H /,COPH/1HH/,PERIOD/1H./,COPN/1HN/
INTEGER*2   S1/2HS1/,L1/2HL1/,CL/2HCL/
INTEGER*4   CID1/4HS101/,FB1/4H. /,FB2/4HRG. /,SB1/4HXB,3/
INTEGER*4   SB2/4H,U. /,VB1/4H099 /

```

Example 1

- Find the set of records in file 2 with XB = 99.
- Read each record selected using the GET NEXT option.

Initialize Control Block

```

c*** Initialize Control Block
DO 5 I=1,80
  CBL(I)=BLANK
5  CONTINUE
DO 10 I=3,6
  CB(I)=0
10 CONTINUE
  CBI(13)=100
  CBI(14)=200
  CBI(15)=40
  CBI(16)=40
  CBI(17)=200
  CBI(19)=0

```

Issue Find Command

```
c***Issue FIND Command
  CCODE=S1
  CID=CID1
  FNR=2
  ISNL=0
  COPT1=COPH
  FB(1)=FB1
  SB(1)=SB1
  SB(2)=SB2
  VB(1)=VB1
  CALL ADABAS(CB,FB,RB,SB,VB,IB)
  IF(RC.NE.0) GO TO 50
  IF(ISNQ.EQ.0) GO TO 100
```

Read Each Record Selected

```
c***Read Each Record Selected
15 CONTINUE
  CCODE=L1
  ISN=0
  COPT1=COPN
  FB(1)=FB2
  CALL ADABAS(CB,FB,RB)
  IF(RC.EQ.0) GO TO 30
  IF(RC.EQ.3) GO TO 100
  PRINT 60,RC,CCODE
60  FORMAT(1H0,'ADABAS ERROR CODE',I4,' FROM '.A2,' COMMAND')
  GO TO 50
30 CONTINUE
C   ...PROCESS RECORD...
  GO TO 15
50 CONTINUE
  STOP
100 CONTINUE
  ...
```