/* REXX */

 ************************************************ *****************
 /* This REXX exec will extract the GROUP profile for the RACF */
 /* Group ID that was specified as a parameter to the exec, and */
 /* print out the names of the groups owned by this group. */
 /* These groups are known/referred to as Sub-Groups. */
 /* The purpose of this exec is to emphasize the importance of */
 /* being careful referencing numeric fields as numbers. */
 /* This is due to the fact IRRXUTIL sets the entire stem to "" */
 /* (null) before setting new data. Fields which do not exist */
 /* in the extracted profile remain null. */
 /* This can cause problems in fields which are usually returned */
 /* as numeric fields because they also remain "", and not 0. */
 /* So, care must be taken before referencing numeric fields as */
 /* numbers. */
 /* This exec is similar exec REXXUT10, which was displayed in */
 /* slide 32, but in this exec, before we try to use the numeric */
 /* field as a number we check to ensure that it is not NULL "". */
 /* Note that if a Group ID was not specified with the */
 /* invocation, it defaults to SYS1. */
 ************************************************ *****************

ARG GROUP

IF (GROUP = "") THEN
  DO
    RACF.PROFILE = 'SYS1'
  END
ELSE /* A USERID WAS NOT SUPPLIED */
  DO
    RACF.PROFILE = GROUP
  END

MYRC=IRRXUTIL("EXTRACT","GROUP",RACF.PROFILE,"RACF",""")

IF (WORD(MYRC,1) <> 0) THEN
  DO
    SAY "ERROR CALLING IRRXUTIL "||MYRC
  END
ELSE
  DO
    IF (RACF.BASE.SUBGROUP.0 <> "") THEN
      DO
        I=1 TO RACF.BASE.SUBGROUP.0
        SAY "SUBGROUP: "RACF.BASE.SUBGROUP.I
      END
    ELSE
      DO
        SAY "THE SPECIFIED GROUP DOES NOT HAVE ANY SUB-GROUPS"
      END
  END
EXIT