DECLARE candidateNames : ARRAY[1:4] OF STRING  
DECLARE candidateVotes : ARRAY[1:4] OF INTEGER

DECLARE groupStudents : INTEGER  
DECLARE groupStudentsLoop : INTEGER  
DECLARE voteAbstentions : INTEGER  
DELCARE numCandidiates : INTEGER  
DECLARE maxVotes : INTEGER  
DECLARE groupName : STRING  
DECLARE studentChoice : STRING

groupStudents = 0

OUTPUT “Enter the tutor group name: ”  
INPUT groupName

IF groupStudents < 2 or groupStudents > 35 THEN

OUTPUT “Enter the number of students in the tutor group (28-35): ”  
 INPUT groupStudents

WHILE groupStudents < 2 or groupStudents > 35

DO

OUTPUT “Enter a valid number of students (28-35): ”  
 INPUT groupStudents

ENDWHILE

ENDIF

OUTPUT “Enter the number of candidates (1-4): ”  
INPUT numCandidates

WHILE numCandidates < 1 or numCandidates > 4

DO

OUTPUT “Enter a valid number of candidates (1-4)”  
 INPUT numCandidates

ENDWHILE

OUTPUT “Enter the name of the first candidate: ”  
INPUT candidateNames[1]

IF numCandidates >= 2 THEN

OUTPUT “Enter the name of the second candidate: ”  
 INPUT candidateNames[2]

IF numCandidates >= 3 THEN

OUTPUT “Enter the name of the third candidate: ”  
 INPUT candidateNames[3]

IF numCandidates = 4 THEN

OUTPUT “Enter the name of the fourth candidate: ”  
 INPUT candidateNames[4]

ENDIF

ENDIF

ENDIF

groupStudentsLoop = groupStudents

WHILE groupStudentsLoop >= 1

DO

OUTPUT “Enter the voting choice of the next student (Enter ‘SKIP’ for   
 abstention”   
 INPUT studentChoice

IF studentChoice = candidateNames[1] THEN

candidateVotes[1] = candidateVotes[1] + 1  
 groupStudentsLoop = groupStudentsLoop – 1

ELSEIF studentChoice = candidateNames[2] THEN

candidateVotes[2] = candidateVotes[2] + 1  
 groupStudentsLoop = groupStudentsLoop – 1

ELSEIF studentChoice = candidateNames[3] THEN

candidateVotes[3] = candidateVotes[3] + 1  
 groupStudentsLoop = groupStudentsLoop – 1

ELSEIF studentChoice = candidateNames[4] THEN

candidateVotes[4] = candidateVotes[4] + 1  
 groupStudentsLoop = groupStudentsLoop – 1

ELSEIF studentChoice = “SKIP” THEN

voteAbstentions = voteAbstentions + 1  
 groupStudentsLoop = groupStudentsLoop – 1

ELSE

OUTPUT “Enter a correct choice.”

ENDIF

ENDWHILE

OUTPUT “Tutor Group: ” & groupName  
OUTPUT “Votes for ” & candidateName[1] & “: ” & candidateVotes[1]

IF numCandidates >= 2 THEN

OUTPUT “Votes for ” & candidateName[2] & “: ” & candidateVotes[2]

IF numCandidates >= 3 THEN

OUTPUT “Votes for ” & candidateName[3] & “: ” & candidateVotes[3]

IF numCandidates = 4 THEN

OUTPUT “Votes for ” & candidateName[4] & “: ” & candidateVotes[4]

ENDIF

ENDIF

ENDIF

maxVotes = -1000

IF candidateVotes[1] > maxVotes OR candidateVotes[1] = maxVotes THEN

OUTPUT “Candidate ” & candidateNames[1] & “, with ” & candidateVotes[1] &   
 “vote(s) has the most votes!”

maxVotes = candidateVotes[1]

ENDIF

IF candidateVotes[2] > maxVotes OR candidateVotes[2] = maxVotes THEN

OUTPUT “Candidate ” & candidateNames[2] & “, with ” & candidateVotes[2] &   
 “vote(s) has the most votes!”

maxVotes = candidateVotes[2]

ENDIF

IF candidateVotes[3] > maxVotes OR candidateVotes[3] = maxVotes THEN

OUTPUT “Candidate ” & candidateNames[3] & “, with ” & candidateVotes[3] &   
 “vote(s) has the most votes!”

maxVotes = candidateVotes[3]

ENDIF

IF candidateVotes[4] > maxVotes OR candidateVotes[4] = maxVotes THEN

OUTPUT “Candidate ” & candidateNames[4] & “, with ” & candidateVotes[4] &   
 “vote(s) has the most votes!”

maxVotes = candidateVotes[4]

ENDIF