**CASE 3**

**PSEUDO CODE**

DECLARE STR: STRING

DECLARE CHAR1, CHAR2: CHARACTER

DECLARE X, COUNT, ACOUNT, NCOUNT, OTHER: INTEGER

STR 🡨 ""

CHAR1 🡨 ‘’

CHAR2 🡨 ‘’

X 🡨 0

COUNT 🡨 0

ACOUNT 🡨 0

NCOUNT 🡨 0

OTHER 🡨 0

INPUT "Enter a string: ", STR

STR = UPPER(STR)

INPUT “Enter a character you wish to count in the entered string: ", CHAR1

CHAR1 = UPPER(CHAR1)

FOR X 🡨 1 To LEN(STR)

CHAR2 🡨 MID(STR, X, 1)

IF LOCATE(STR, CHAR2) = 0 THEN

OUTPUT "This character is not present in the entered string"

ELSEIF CHAR2 = CHAR1 THEN

COUNT 🡨 COUNT + 1

ENDIF

ENDIF

NEXT X

OUTPUT "‘", CHAR1, "’", "is present ", COUNT, " times in the string"

FOR X 🡨 1 To LEN(STR)

CHAR2 🡨 MID(STR, X, 1)

IF CHAR2 >= ‘A’ AND CHAR2 <= ‘Z’ THEN

ACOUNT 🡨 ACOUNT + 1

ELSEIF ASC(CHAR2) >= 48 AND ASC(CHAR2) <= 57 THEN

NCOUNT 🡨 NCOUNT + 1

ELSE OTHER 🡨 OTHER + 1

ENDIF

ENDIF

NEXT X

OUTPUT "Total number of alphabets: ", ACOUNT

OUTPUT "Total number of digits: ", NCOUNT

OUTPUT "Total number of other characters: ", OTHER