**Name: Tamilore Muyideen, ADEBAYO**

**Matric No: 230868**

**Level: 200**

**Course CSC235 Object Oriented Programming**

This program counts the number of steps Adam takes before falling. Input is from an adam.in file and the output is a standard output.

BEGIN

NUMBER testNumber

STRING testString[100]

FILE POINTER input

IF((input = fileOpen(“filePath”, “r”) == NULL) THEN

OUTPUT “Error opening file”

EXIT

END IF

READ testNumber FROM input

FOR counter1 = 1 TO testNumber DO

READ testString FROM input

NUMBER stepCount = 0

FOR counter2 = 0 to 99 DO

SWITCH testString[counter2]

CASE “U”

stepCount = stepCount + 1

INCREMENT counter2 BY 1

BREAK

CASE “D”

OUTPUT stepCount

counter2 = 100

INCREMENT counter1 BY 1

BREAK

DEFAULT

OUTPUT “This string has an invalid character”

BREAK

END SWITCH

END FOR

END FOR

END