**Q1 - convert this pseudocode to Python and run it**

totalMilage 🡨 0

FOR index 🡨 1 To 5

OUTPUT “Enter mileage for vehicle”

 currentMileage 🡨 USERINPUT

totalMilage🡨 totalMilage + currentMileage

END FOR

OUTPUT “Miles travelled by all vehicles is” + totalMilage

**Q2 - convert this pseudocode to Python and run it**

totalMilage 🡨 0

currentMileage 🡨 “”

WHILE currentMileage is not “X”

currentMileage “Enter mileage for vehicle or X to stop”

 currentMileage 🡨 USERINPUT

 IF currentMileage is not “X” THEN

 totalMilage🡨 totalMilage + currentMileage

 END IF

END WHILE

OUTPUT “Miles travelled by all vehicles is” + totalMilage

**Q3 - convert this pseudocode to Python and run it (with input value 12345 )**

**DIV means integer division
MOD means divide and return the remainder
array(0,0,0,0) is a 4 element list initialised with zeros**

h = array(0, 0, 0, 0)

num = USERINPUT(‘Enter a number between 0 and 65535: ‘)

r = num

FOR i = 0 To 4

d = r DIV (16 \*\* (3-i))

r = r MOD (16 \*\* (3-i))

h(i) = d

END FOR

OUTPUT num + “ => “ + h

**Q4: convert this pseudocode to python and run (you’ll need to create the getMiddleCharacters function**

middles 🡨 “”

WHILE word is not “X”

OUTPUT “Enter a word or X to stop”

 word 🡨 USERINPUT

 IF word is not “X” THEN

 middles 🡨 middles + getMiddleCharacters(word)

 END IF

END WHILE

OUTPUT “Middle characters of your words are: ” + totalMilage