**PYTHON**

**NUMBERS**

a = 10

b = 20

c = a + b

**STRINGS**

a = “hello”

b = “world”

c = a + b

**LISTS**

myList = [1,2,3]

myOtherList = [“a”,”B”]

a = myList[0]

b = len(myList)

**IF**

if a < 10 :

print “less than 10”

elif a == 10

print “equals 10”

else:

print “greater than 10”

**WHILE**

while a < 10:

a += 1

**FOR**

for x in range(5,10):

#do stuff 5 times (5 through 9)

aListOfMeat = [‘ham’,’chicken’,’beef’]

for x in aListOfMeat:

print x + “ is a meat”

**CONVERSION**

a = 10

b = 20

c = str(a) + str(b)

print c

“1020”

a = “10”

b = “20”

c = int(a) + int(b)

print c

30

**EXAMPLE 1 – Print numbers 1 to 10**

number = 1

while number <= 10:

print number

number += 1

for x in range(1,11):

print x

**EXAMPLE 2 – Print the sum of the numbers from 1 to 10**

total = 0

for x in range(1,11):

total = total + x

print total

total = 0

number = 1

while number <= 10:

total = total + number

number += 1

print total

**QUIZ 1**

Print your name 10 times on the screen

**QUIZ 2**

For each number between 1 and 10 print the number then print the number multiplied by it self

**QUIZ 3**

Print the 12 times tables but make it look nice i.e.

1 x 12 = 12

2 x 12 = 24

Etc.

**QUIZ 4**

For each number between 1 and 10 print its square and make it look nice i.e.

1 x 1 = 1

2 x 2 = 4

3 x 3 = 9

Etc.

**QUIZ 5**

Work out the sum of the numbers 1 to 6 i.e. 1+2+3+4+5+6

**QUIZ 6**

Work out the sum of the numbers 1 to 1000

**QUIZ 7**

Work out what number multiple by itself is 5776

**QUIZ 8**

I am thinking of the number 11. If I subtract 5 from that number and multiply by itself I get 66.

I am thinking of a different number. If I subtract 5 from that number and multiply by itself I get 6314. Write a program to work out the number

**QUIZ 9**

A bit like QUIZ 3 but this time print all the times tables for numbers 1 to 12