**Practice 5**

**Coin tosses:**

import random

heads = 0

tails = 0

n\_tosses = int(input('How many tosses you want to simulate? '))

for toss in range(n\_tosses):

random\_nr = random.randint(0,1)

if random\_nr == 0:

heads = heads + 1

else:

tails = tails + 1

print('Number of heads tosses =', heads, '\nNumber of tails tosses =', tails)

**Divisors:**

num = abs(int(input('Enter an integer number: ')))

if num == 0:

print('Invalid number')

else:

divisors = 0

for n in range(1, num+1):

if num % n == 0:

divisors = divisors + 1

print(n)

print('We found', divisors, 'divisors')

**Sum of all numbers from 1 to a given number entered by the user (Exercise 11.13 or something like that)**

total = 0

x = int(input("Please enter an integer value, i.e. a number "))

print("The number you entered is", x)

for i in range(1,x+1):

total = total + i

print("The sum of all numbers from 1 to", x, "is", total)

* **In online compiler, at times one will have to Print(“”) i.e. print an empty string as the first number in a loop list will not appear. Questions in the exam should take care of this.**