

Q # 02

20

print(num2)

num1, _, num2 = 10, 20, 20;
print(num1)

```
In [8]: ## Example # 01
        value_1 = 2+(5-2)/6
        print(value_1)
        print(type(value_1))
        #Danish Ul Hassan
        #Converting the value into int
        value 1 = int(value 1)
        print(value_1)
        print(type(value_1))
        ## Example # 02
value_2 = 4/5 + ( 10-3 ) /6
        print(value 2)
        print(type(value_2))
        #Danish UL Hassan
        #Converting the value into int
        value_2 = int(value_2)
        print(value_2)
        print(type(value_2))
        2.5
        <class 'float'>
        <class 'int'>
        1.96666666666668
        <class 'float'>
        <class 'int'>
```

Q # 03

```
In [29]: # Even Numbers from 0-50 using for Loop
         initial, final = 0, 51
         print("For Loop:")
          for value in range(initial, final + 1):
             # checking condition
if value % 2 == 0:
                 print(value, end = " ")
         #using while loop
         i = 0
         print("\n While Loop:")
         while i <= 48:
            i += 2
            print(i, end=" ")
         For Loop:
         0 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42 44 46 48 50
```

2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42 44 46 48 50

Q # 04

Prime numbers: 2 3 5 7 11 13 17 19 23 29 31 37 41 43 47 53 59 61 67 71 73 79 83 89 97

Q # 05

Q # 07

```
In []: for value in range(100):
    print(value)

max=int(input("please enter the maximum value: "))
    even_Sum=0
    odd_Sum=0

for num in range(1,max+1):
    if (num%2==0):
        even_Sum=even_Sum+num
    else:
        odd_Sum=odd_Sum+num

print("The sum of Even numbers 1 to {0} = {1}".format(num,even_Sum))
print("The sum of odd numbers 1 to {0} = {1}".format(num,odd_Sum))
```

Q # 08

```
In [5]: #Write a Python program to find those numbers which are divisible by 7 and multiple of 5, between 1500 and 2700 (both included).
numbers=[]
for num in range(1500, 2701):
    if (num%7==0) and (num%5==0):
        numbers.append(str(num))
print (','.join(numbers))
```

1505, 1540, 1575, 1610, 1645, 1680, 1715, 1750, 1785, 1820, 1855, 1890, 1925, 1960, 1995, 2030, 2065, 2100, 2135, 2170, 2205, 2240, 2275, 2310, 2345, 2380, 2415, 2450, 2485, 2520, 2555, 2590, 2625, 2660, 2695

Q # 09

In [31]: n=5;

for a in range(n):

```
In [1]: #Number Guessing Game using random module
    import random
    target_num, guess_num = random.randint(1, 9), 0
    while target_num != guess_num:
        guess_num = int(input('Guess a number between 1 to 9 : '))
    print('Congratulations!!')

Guess a number between 1 to 9 : 7
    Guess a number between 1 to 9 : 9
    Guess a number between 1 to 9 : 8
    Guess a number between 1 to 9 : 8
    Guess a number between 1 to 9 : 1
    Guess a number between 1 to 9 : 2
    Guess a number between 1 to 9 : 3
    Congratulations!!!
```