**Day 1 Assignments**

**Question 1:**

#!/usr/bin/python

de = input("Enter Decimal Value : ")

print int(de)

bi = input("Enter Binary Value : ")

print bin(bi)

oc = input("Enter Octal Value : ")

print oct(oc)

he = input("Enter Hexadecimal Value : ")

print hex(he)

fl = input("Enter float Value : ")

print float(fl)

sq = input("Enter String with Single Quote : ")

print sq

dq = input("Enter String with Double Quote : ")

print dq

tq = input("Enter String with Triple Quote : ")

print tq

**Answer:**

gadikgop@VTA077l:~/python/day1$ ./first.py

Enter Decimal Value : 901

901

Enter Binary Value : 0b1010101

0b1010101

Enter Octal Value : 016

016

Enter Hexadecimal Value : 0x1DF

0x1df

Enter float Value : 12.4

12.4

Enter String with Single Quote : 'hai hello'

hai hello

Enter String with Double Quote : "hai hello"

hai hello

Enter String with Triple Quote : """hai hello"""

hai hello

**Question 2:**

#!/usr/bin/python

decimal=90

binary=0b1010011

octal=067

hexa=0x23

print decimal

print binary

print octal

print hexa

**Answer:**

gadikgop@VTA077l:~/python/day1$ ./second.py

90

83

55

35

**Question 4:**

#!/usr/bin/python

v1 = 45

v2 = 56

print v1 & v2, v1 | v2, v1 ^ v2, ~v1, ~v2, v1 << 1, v1 >> 2

v1 = 0xAB

v2 = 0x89

print v1 & v2, v1 | v2, v1 ^ v2, ~v1, ~v2, v1 << 2, v1 >> 3

v1 = 0b11011100

v2 = 0b01101010

print v1 & v2, v1 | v2, v1 ^ v2, ~v1, ~v2, v1 << 2, v1 >> 3

**Answer:**

gadikgop@VTA077l:~/python/day1$ ./four.py

40 61 21 -46 -57 90 11

137 171 34 -172 -138 684 21

72 254 182 -221 -107 880 27

**Question 5:**

#!/usr/bin/python

v1=0XCD

print bin(v1)

n=input("Enter the position you want to set :")

var=0x1<<n

d=v1 | var

print "Output after setting the value ",bin(d)

n1=input("Enter the input you want to clear :")

var1=~(0x01<<n1)

d=v1 & var1

print "Output after clearing the value :",bin(d)

**Answer:**

gadikgop@VTA077l:~/python/day1$ python five.py

0b11001101

Enter the position you want to set :5

Output after setting the value 0b11101101

Enter the input you want to clear :3

Output after clearing the value : 0b11000101