

Python Basic Programming Assignment - 5

1. Write a Python Program to Find LCM?

```
In [5]: 1 #Ask user to enter 2 Number to find the LCM
2 a=int(input("Enter 1st Number: "))
3 b=int(input("Enter 2nd Number: "))
4 #Taking the multiple of 2 numbers and find the Least common multiple with th
5 for m in range(1,a*b+1):
6     if m%a==0 and m%b==0:
7         print("LCM of the number is:",m)
8         break
9
```

```
Enter 1st Number: 5
Enter 2nd Number: 10
LCM of the number is: 10
```

2. Write a Python Program to Find HCF?

```
In [10]: 1 a=int(input("Enter 1st Number:"))
2 b=int(input("Enter 2nd Number:"))
3 while a%b !=0:
4     rem=a%b
5     a=b
6     b=rem
7 print("The HCF is",b)
```

```
Enter 1st Number:50
Enter 2nd Number:20
The HCF is 10
```

3. Write a Python Program to Convert Decimal to Binary, Octal and Hexadecimal?

```
In [18]: 1 number=int(input("Enter a number: "))
2 print("The conversion of the decimal is",number,"is")
3 #Conversion to binary
4 print(bin(number),"in Binary")
5 #conversion to Octal
6 print(oct(number),"in Octal")
7 #conversion to hexadecimal
8 print(hex(number),"in Hexadecimal")
```

```
Enter a number: 15
The conversion of the decimal is 15 is
0b1111 in Binary
0o17 in Octal
0xf in Hexadecimal
```

4. Write a Python Program To Find ASCII value of a character?

```
In [26]: 1 #to Convert to ASCII value we can use the inbuild function in python "ord"
2 value=input("Enter a character")
3 print("The ASCII value of ",value, "is",ord(value))
```

```
Enter a caractere
The ASCII value of  e is 101
```

5. Write a Python Program to Make a Simple Calculator with 4 basic mathematical operations?

```
In [30]: 1 a=int(input("Enter first number:"))
2 b=int(input("Enter second number:"))
3 print("The sum of the numbes are",a+b)
4 print("The difference between the numbers are",a-b)
5 print("The multiplication of the numbers are",a*b)
6 print("The division of the numbers are",a/b)
```

```
Enter first number:2
Enter second number:2
The sum of the numbes are 4
The difference between the numbers are 0
The multiplication of the numbers are 4
The division of the numbers are 1.0
```

```
In [ ]: 1
```