Python Basic Programming Assignment - 5

1. Write a Python Program to Find LCM?

```python
In [16]:  a,b=[int(n) for n in input("Enter the numbers separated by space: ").split()]
          if(a>b):
              pass
          else:
              a=a+b
              b=a-b
              a=a-b
          i=1
          while(i):
              if((a*i)%b==0):
                  print("LCM of {} and {} is {}".format(a,b,a*i))
                  break
              else:
                  i=i+1
```

```
Enter the numbers separated by space: 13 14
LCM of 14 and 13 is 182
```

2. Write a Python Program to Find HCF?

```python
In [35]:  a,b=[int(n) for n in input("Enter the numbers separated by space: ").split()]
          if(a>b):
              pass
          else:
              a=a+b
              b=a-b
              a=a-b
          i=1
          while(i):
              if(a%(b-i+1)==0 and b%(b-i+1)==0):
                  print("HCF of {} and {} is {}".format(a,b,(b-i+1)))
                  break
              else:
                  i=i+1
```

```
Enter the numbers separated by space: 96 24
HCF of 96 and 24 is 24
```

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

```python
In [3]:  n=int(input("Enter a decimal number: "))
         print("Binary number is {}".format(bin(n)))
         print("Octal number is {}".format(oct(n)))
         print("Hexadecimal number is {}".format(hex(n)))
```

```
Enter a decimal number: 89
Binary number is 0b1011001
Octal number is 0o131
Hexadecimal number is 0x59
```

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

In [6]:
```python
a=input("Enter any character: ")
print("ASCII value is= {}".format(ord(a)))
```

```
Enter any character: A
ASCII value is= 65
```

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

In [7]:
```python
a,b=[int(n) for n in input("Enter two numbers separated by space: ").split()]
print("Sum is= {}".format(a+b))
print("Subtraction is= {}".format(a-b))
print("Multiplication is= {}".format(a*b))
print("Division is= {}".format(a/b))
```

```
Enter two numbers separated by space: 8 4
Sum is= 12
Subtraction is= 4
Multiplication is= 32
Division is= 2.0
```