

Assignment 5

1 . Write a Python Program to Find LCM?

```
In [2]: a=int(input("Enter the first number:"))
b=int(input("Enter the second number:"))

if(a>b):
    first=a
else:
    second=b
while(1):
    if(first%a==0 and first%b==0):
        print("LCM is:",first)
        break
    first+=1
```

Enter the first number:15
Enter the second number:10
LCM is: 30

2.Write a Python Program to Find HCF?

```
In [3]: x=int(input("Enter the first number:"))
y=int(input("Enter the second number:"))

if x > y:
    x, y = y, x
for i in range(1,x+1):
    if x%i == 0 and y%i == 0:
        hcf = i

print("HCF is", hcf)
```

Enter the first number:5
Enter the second number:10
HCF is 5

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

```
In [4]: a = int(input("Enter a Number: "))

print("Binary value is :",bin(a))
print("Octal value is :",oct(a))
print("Hexadecimal value is:",hex(a))
```

Enter a Number: 25
Binary value is : 0b11001
Octal value is : 0o31
Hexadecimal value is: 0x19

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

```
In [5]: a = (input("Enter a Letter: "))

print("The ASCII value of this number is: ",ord(a))
```

Enter a Letter: k
The ASCII value of this number is: 107

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

```
In [4]: def add(a,b):
        return a + b
def subtract(a,b):
    return a-b
def multiply(a,b):
    return a*b
def divide(a,b):
    return a/b

print("You have the following choices:")
print (" 1.Add", "\n", "2.Subtract", "\n", "3.Multiply", "\n", "4.Divide")

a = int(input("Enter the Choice "))

if a in (1,2,3,4):
    b = int(input("Enter first value "))
    c = int(input("Enter second value "))
    if a == 1:
        print("Answer is ", add(b,c))
    elif a == 2:
        print("Answer is ", subtract(b,c))
    elif a == 3:
        print("Answer is ", multiply(b,c))
    elif a == 4:
        print("Answer is ", divide(b,c))
else:
    print("value does not exist")
```

You have the following choices:
1.Add
2.Subtract
3.Multiply
4.Divide
Enter the Choice 4
Enter first value 2
Enter second value 6
Answer is 0.3333333333333333

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In [ ]: 
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In [ ]: 
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In [ ]: 
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In [ ]: 
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