

TASK 3

1. Write a program in python to find out LCM of two numbers.

```
2
3
4 num1=int(input("enter a value for num1:"))
5 num2=int(input("enter a value for num2:"))
6 largest_num=max(num1,num2)
7 while(True):
8     if largest_num%num1==0 and largest_num%num2==0:
9         lcm=largest_num
10        break
11    largest_num+=1
12 print(lcm)
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS Python: lcm + - [] ...

PS C:\Users\VISHNU\Desktop\my python> & C:/Users/VISHNU/AppData/Local/Programs/Python/Python311/python.exe "c:/Users/VISHNU/Desktop/my python/task3/lcm.py"
enter a value for num1:24
enter a value for num2:36
72
PS C:\Users\VISHNU\Desktop\my python> []

2. Write a program in python to find out the factorial of the number.

```
2
3 num=int(input("enter a number:"))
4 fact=1
5 for i in range(1,num+1):
6     fact=fact*i
7 print(fact)
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS Python: factorial_of_num + - [] ... ^ X

PS C:\Users\VISHNU\Desktop\my python> & C:/Users/VISHNU/AppData/Local/Programs/Python/Python311/python.exe "c:/Users/VISHNU/Desktop/my python/task3/factorial_of_num.py"
enter a number:4
24
PS C:\Users\VISHNU\Desktop\my python> []

3. Write a program in python to find out the HCF of two number.

```
2
3 num1=int(input("enter the value for num1:"))
4 num2=int(input("enter the value for num2:"))
5 i=1
6 hcf=1
7 smallest_num=num1 if num1<num2 else num2
8 while(i<smallest_num):
9     if num1%i==0 and num2%i==0:
10         hcf=i
11         i+=1
12 print(f"hcf of {num1}${num2}={hcf}")
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS Python: hcf + - [] ... ^ x

PS C:\Users\VISHNU\Desktop\my python> & C:/Users/VISHNU/AppData/Local/Programs/Python/Python311/python.exe "c:/Users/VISHNU/Desktop/my python/task3/hcf.py"
enter the value for num1:28
enter the value for num2:36
hcf of 28\$36=4
PS C:\Users\VISHNU\Desktop\my python> []

4. Calculate the sum of numbers from 1 to 10 using a for loop.

```
2
3 sum=0
4 for i in range(1,11):
5     sum+=i
6 print(sum)
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS Python: sum_of_numbers + - [] ... ^ x

PS C:\Users\VISHNU\Desktop\my python> & C:/Users/VISHNU/AppData/Local/Programs/Python/Python311/python.exe "c:/Users/VISHNU/Desktop/my python/task3/sum_of_numbers.py"
55
PS C:\Users\VISHNU\Desktop\my python>

5. Print numbers from 1 to 5, expect 3 using a for loop.

```
2 for i in range(1,6):
3     if i==3:
4         continue
5     else:
6         print(i)
```

Python: number_printing + - [] ... ^ x

PS C:\Users\VISHNU\Desktop\my_python> & C:/Users/VISHNU/AppData/Local/Programs/Python/Python311/python.exe "c:/Users/VISHNU/Desktop/my_python/task3/number_printing.py"

1
2
4
5

PS C:\Users\VISHNU\Desktop\my_python>