

Q1: Write a program in python to find out LCM of two numbers**PROGRAM**

```
1  # Q1: Write a program in python to find out LCM of two numbers
2  num1=int(input("enter number="))
3  num2=int(input("enter number="))
4  largest_num=max(num1,num2)
5  while(True):#product=num1*num2 while(product):
6      if largest_num%num1==0 and largest_num%num2==0:
7          lcm=largest_num
8          break
9          largest_num=largest_num+1
10 print(lcm)
```

OUTPUT

```
p/PYTHON FULLSTACK/PYTHON CORE & ADVANCED/TASK 3
enter number=12
enter number=24
24
```

Q2: Write a program in python to find out the factorial of the number**PROGRAM**

```
1  # Q2: Write a program in python to find out the factorial of the number
2  #factorial of a number
3  num=6
4  i=1
5  fact=1
6  while(i<=num):
7      fact=fact*i
8      i=i+1
9  print("factorial of 6 =",fact)
```

OUTPUT

```
p/PYTHON FULLSTACK/PYTHON CORE & ADVANCED/TASK 3
factorial of 6 = 720
```

Q3: Write a program in python to find out the HCF of two number**PROGRAM**

```
1  # Q3: Write a program in python to find out the HCF of two number
2  num1=int(input("enter number="))
3  num2=int(input("enter number="))
4  smallest_no=num1 if num1<num2 else num2
5  i=1
6  hcf=1
7  while(i<=smallest_no):
8      if(num1%i==0) and (num2%i==0):
9          hcf=i
10     i=i+1
11 print(f"hcf of {num1},{num2}={hcf}")
```

OUTPUT

```
enter number=24
enter number=12
hcf of 24,12=12
```

Q4: Calculate the sum of numbers from 1 to 10 using a for loop :

PROGRAM

```
1 # Q4: Calculate the sum of numbers from 1 to 10 using a for loop :
2 i=1
3 sum=0
4 for i in range(1,11):
5     sum=sum+i
6     i=i+1
7 print("the sum of numbers from 1 to 10 = ",sum)
```

OUTPUT

```
the sum of numbers from 1 to 10 = 55
```

```
PS C:\Users\HP\Desktop\PYTHON FULLSTACK>
```

Q5: Print numbers from 1 to 5, expect 3 using a for loop

PROGRAM

```
1 # Q5: Print numbers from 1 to 5, expect 3 using a for loop
2 for i in range(1,6):
3     if i!=3:
4         print(i)
5
```

OUTPUT

```
1
2
4
5
```