

09.09.24

## HOME TASK

### # Question 1

```
num=int(input("Enter the number : "))
count=0
for i in range(1,num+1):
    if num%i==0:
        count+=1
if count==2:
    print("Prime Number")
else:
    print("Not a Prime Number")
```

### # Question 2

```
num=int(input("Enter the number : "))
factorial=1
for i in range(1,num+1):
    factorial*=i
print("Factorial of ",num,"is",factorial)
```

### # Question 3

```
num=int(input("Enter the number : "))
a,b=0,1
s=a+b
while s<=num:
    print(s,end=" ")
    s=a+b
    a,b=b,s
print()
```

### # Question 4

```
num=int(input("Enter the number : "))
if num%11==0:
    print("Divisible by 11")
else:
    print("Not divisible by 11")
```

# Question 5

```
num=int(input("Enter the number : "))
print("Factors of numbers : ")
for i in range(1,num+1):
    if num%i==0:
        print(i,end=" ")
```