

1.To check the Given program is Even or odd

```
#1.Even or odd
n=int(input())
if n%2==0:
    print("Even")
else:
    print("odd")
|
```

2.To check the given number is positive or negative or zero

```
#2.positive or negative or zero
n=int(input())
if n>0:
    print("Positive")
elif n==0:
    print("Zero")
else:
    print("Negative")
```

3.To check the given number is prime number or not

```
#3.prime number or not|
n=int(input())
if n<= 1:
    print("Not a prime number")
else:
    count = 0
    for i in range(1, n + 1):
        if n % i == 0:
            count += 1

    if count == 2:
        print("Prime number")
    else:
        print("Not a prime number")
```

4.To check the given number is factorial or not

```
#4.Factorial or not
```

```
n=int(input())
```

```
fact = 1
```

```
i = 1
```

```
while fact<n:
```

```
    i=i + 1
```

```
    fact=fact*i
```

```
if fact==n:
```

```
    print("It is a factorial number")
```

```
else:
```

```
    print("It is not a factorial number")
```