## 1.Prime numbers less than 20

```
n=int(input("Enter the number till you want to check: "))
primes = []
for i in range (2, n+1):
    for j in range(2, i):
        if i%j == 0:
            break
    else:
        primes.append(i)
print(primes)
```

```
| A DESTRUCT | College | Page | College | Page | Pa
```

## 2.odd or even

```
num = int(input("Enter a number: "))
if (num % 2) == 0:
    print("{0} is Even".format(num))
else:
    print("{0} is Odd".format(num))
```

```
3.factorial of a number
  num=int(input("enter a number"))

factorial = 1

if num < 0:
    print("Sorry, factorial does not exist for negative numbers")

elif num == 0:
    print("The factorial of 0 is 1")

else:
    for i in range(1,num + 1):
        factorial = factorial*i
    print("The factorial of",num,"is", factorial)</pre>
```