



main.py




Run


```
1 lim=int(input("Enter the limit"))
2 for num in range(1, lim):
3     if num > 1:
4         for i in range(2, num):
5             if (num % i) == 0:
6                 break
7         else:
8             print(num)
```


Shell


Clear


```
Enter the limit10
2
3
5
7
>
```














JS



main.py








Run

```
1 Number = int(input(" Please Enter any Number: "))
2 Sum = 0
3 for i in range(1, Number):
4     if(Number % i == 0):
5         Sum = Sum + i
6 if (Sum == Number):
7     print(" %d is a Perfect Number" %Number)
8 else:
9     print(" %d is not a Perfect Number" %Number)
```


Shell

Clear



```
Please Enter any Number: 6
6 is a Perfect Number
>
```



JS



main.py








Run

```
1 num=int(input("Enter a number"))
2 flag = False
3 if num > 1:
4     for i in range(2, num):
5         if (num % i) == 0:
6
7             flag = True
8         break
9 if flag:
10     print(num, "is not a prime number")
11 else:
12     print(num, "is a prime number")
```

Shell



Clear

```
Enter a number6
6 is not a prime number
> |
```



JS

main.py



Run

Shell

Clear

```
1 num = int(input("Enter a number: "))
2 sum = 0
3
4 temp = num
5 while temp > 0:
6     digit = temp % 10
7     sum += digit ** 3
8     temp //= 10
9
10 if num == sum:
11     print(num,"is an Armstrong number")
12 else:
13     print(num,"is not an Armstrong number")
```

```
Enter a number: 370
370 is an Armstrong number
>
```



main.py



Run

Shell

Clear






```
1 num = int(input("Entert the limit"))
2
3 factorial = 1
4
5 if num < 0:
6     print("Sorry, factorial does not exist for negative numbers")
7 elif num == 0:
8     print("The factorial of 0 is 1")
9 else:
10     for i in range(1,num + 1):
11         factorial = factorial*i
12     print("The factorial of",num,"is",factorial)
```

```
Entert the limit10
The factorial of 10 is 3628800
>
```




JS







JS



main.py



Run

```
1 nterms = int(input("How many terms? "))
2 n1, n2 = 0, 1
3 count = 0
4
5 if nterms <= 0:
6     print("Please enter a positive integer")
7
8 elif nterms == 1:
9     print("Fibonacci sequence upto",nterms,":")
10    print(n1)
11
12 else:
13     print("Fibonacci sequence:")
14     while count < nterms:
15         print(n1)
16         nth = n1 + n2
17         n1 = n2
18         n2 = nth
19         count += 1
```

Shell

Clear

How many terms? 10
Fibonacci sequence:
0
1
1
2
3
5
8
13
21
34
> |