

Even Numbers

```
In [1]: n=123
        if n%2==0:
            print("Even")
        else:
            print("Odd")
```

Odd

Check the greatest number among the three numbers.

```
In [2]: n1=int(input("Enter first number"))
        n2=int(input("Enter second number"))
        n3=int(input("Enter third number"))
        if n1>n2 and n1>n3:
            print(n1,"is greatest")
        elif n2>n3:
            print(n2,"is greatest")
        else:
            print(n3,"is greatest")
        type(n1)
```

Enter first number1
Enter second number2
Enter third number3
3 is greatest

Out[2]: int

```
In [3]: type(n1)
```

Out[3]: int

Check if a year is a leap year or not.

```
In [12]: leap=int(input("Enter the year"))
         if(leap % 400 == 0 or (leap % 100 != 0 and leap % 4==0)):
             print(leap," is a leap year.")
         else:
             print(leap, "is not a leap year")
```

Enter the year2001
2001 is not a leap year

Check if a number is in the given range or not.

Eg. n=123 lb=10 ub=150

```
In [4]: num=int(input("Enter a number "))
lb=int(input("Enter lower bound "))
ub=int(input("Enter upper bound "))
if n<=ub and n>=lb:
    print(num," is in the range.")
else:
    print(num," is not in the range")
```

Enter a number 2
Enter lower bound 3
Enter upper bound 4
2 is not in the range

Check if a number is a multiple of 10.

```
In [5]: num1=int(input("Enter a number "))
if num1%10==0:
    print(num1," is a multiple of 10")
else:
    print("Not a multiple of 10")
```

Enter a number 10
10 is a multiple of 10

Calculate the square root of a number without using function

```
In [9]: a=int(input("Enter a number "))
s=a**0.5
print(s)
```

Enter a number 36
6.0

Count number of digits in a number

```
In [7]: b=int(input("Enter a number "))
c=0
r=1
while b>0:
    r=b%10
    c+=1
    b=b//10
print(c)
```

Enter a number 12345
5

In []: