

**1. Write a program where the user needs to enter their age. The program will then print whether they are eligible to vote or not**

```
In [1]: age=eval(input("Enter the age:"))
        if age>=18:
            print(f"he/she is eligilable for vote.")
        else:
            print(f"he/she is not eligilable for vote.")
```

he/she is eligilable for vote.

**2. Write a Python program that accepts a digit from the keyboard and outputs its name. For example, if the input is 1, the output should be "1 is one"**

```
In [2]: import random
        digit=eval(input("Enter the number:"))
```

**3. write a program to check whether the last digit of a number (enter by user) is divisible by 3 or not**

```
In [13]: num=eval(input("Enter the number:"))
          num1=num%10
          if num1==3 or num1==6 or num1==9:
              print(f"it is divided by 3.")
          else:
              print(f"it is not divided by 3.")
```

it is divided by 3.

**4. write a program to check whether the given year is leap year or no**

```
In [15]: year=int(input("Enter the year:"))
          if year%4==int:
              print(f"it is leap year.")
          elif year%400==int:
              print(f"it is not leap year")
          else:
              print(f"it is not leap year.")
```

it is not leap year.

**5. write a program to check whether a number is prime or no**

```
In [16]: num=eval(input("Enter the number:"))
          if num%1 or num%num:
              print(f"number is prime.")
          else:
              print(f"number is not prime.")
```

number is not prime.

```
In [ ]:
```