

Python Programming

Lab Assignment – 4

- 1) Write a Python Program that takes a number as input and prints “Even” if the number is even and “odd” if it is odd .

Sol :

```
num = int(input("Enter the number = "))
```

```
if num%2==0:
```

```
    print("The Number is Even ")
```

```
else:
```

```
    print("The number is odd ")
```

- 2) Create a Python program that checks whether a person is eligible to vote (18 year or older) based on their age.

Sol :

```
age = int(input("Enter the Age = "))
```

```
if age >= 18:
```

```
    print(" Eligible for Voting ")
```

```
else:
```

```
    print(" Not Eligible for Voting")
```

3) Write a Python program that determines if a given year is leap year or not.

Sol :

```
year = int(input("Enter the Year = "))  
  
if year%4==0 and year%400!=0 or year%100==0:  
  
    print(f"This is Leap year ")  
  
else:  
  
    print(f"Not a leap year ")
```

4) Create a Python Program that checks if a user given number is positive, negative or Zero.

Sol :

```
num = int(input("Enter the Number = "))  
  
if num >=1:  
  
    print(f"The entered number is Positive ")  
  
elif num <=1:  
  
    print(f"The Entered number is Negative ")  
  
else:  
  
    print(f" The Entered number is nor Negative or Positive ")
```

5) Write a Python Program that determines the largest of three number entered by the user.

Sol :

```
a = int(input("Enter the first Number = "))
```

```
b = int(input("Enter the Second number = "))
```

```
c = int(input("Enter the third number = "))
```

```
if a >= b and a > c:
```

```
    print(f" A is greater than b and c ")
```

```
elif b >= a and b > c:
```

```
    print(f" B is greater than A and C ")
```

```
else:
```

```
    print(f" C is greater than A and B ")
```