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Practical-2

Aim: - Write a program using conditional structure if-else, if-elif *etc.*

1. Python Program to Check if a person whose age is received, is a voter or not.
2. Python Program to Check Leap Year/Odd-even number.

1. Python Program to Check if a person whose age is received, is a voter or not.

Algorithm:

step 1 – START.

step 2 – get values age from user.

step 3 – check. If age is greater than equal to 18 then Display "Person is voter".

step 4 – else print "Person is not voter".

step 5 – STOP

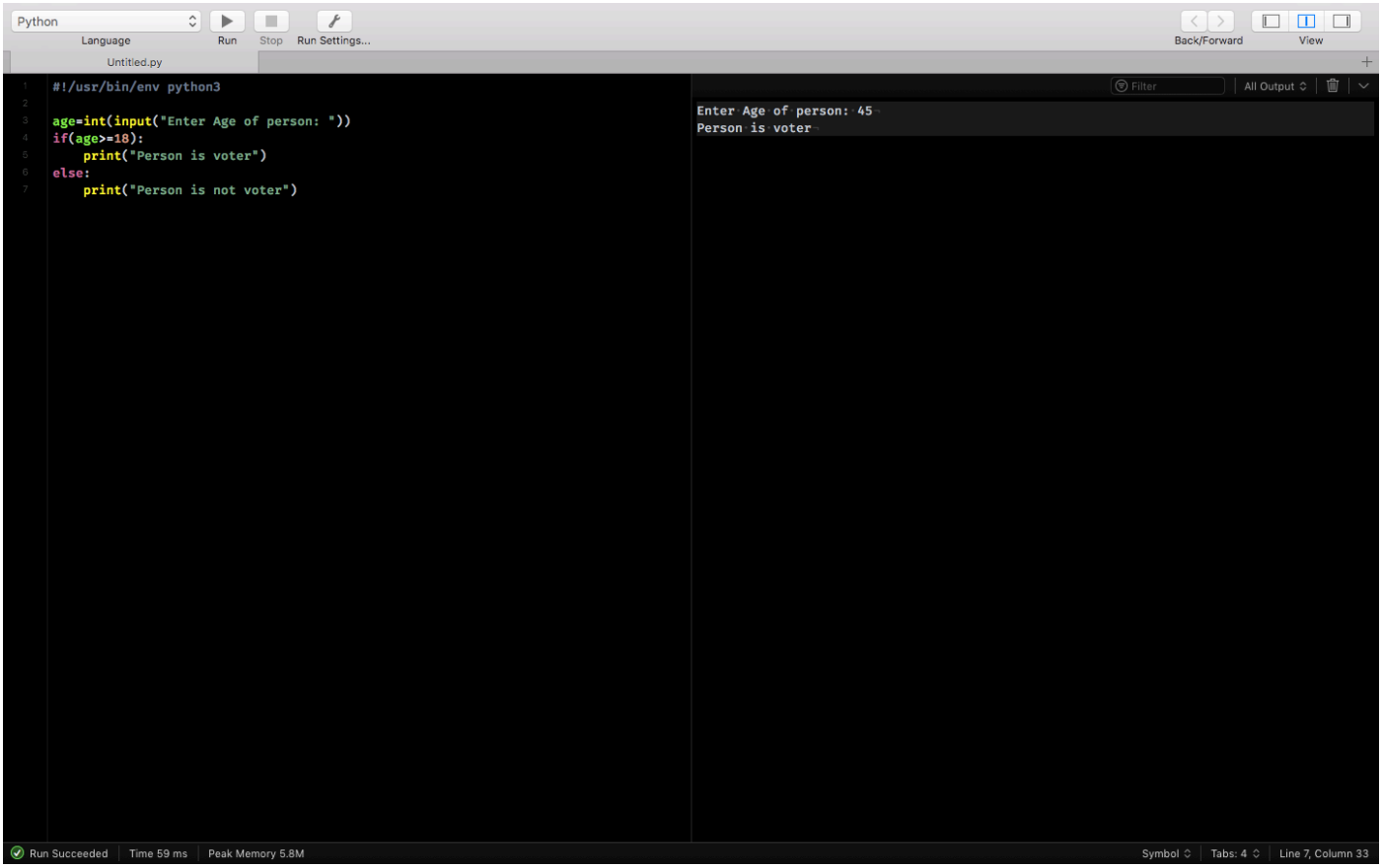
Program:

```
age=int(input("Enter Age of person: "))
if(age>=18):
        print("Person is voter")
else:
        print("Person is not voter")
```

Output:

```
Enter Age of person: 45
Person is voter
```

Screenshot:



2. Python Program to Check Leap Year.

Algorithm:

step 1 – START.

step 2 – get values year from user.

step 3 – check. If year%400==0 then Display "year is a leap year"

step 4 – If condition is false then check. If year%100!=0 and year%4==0 then Display "year is a leap year"

step 5 – If above both conditions false then Display "Display "year is not leap year".

step 6 – STOP

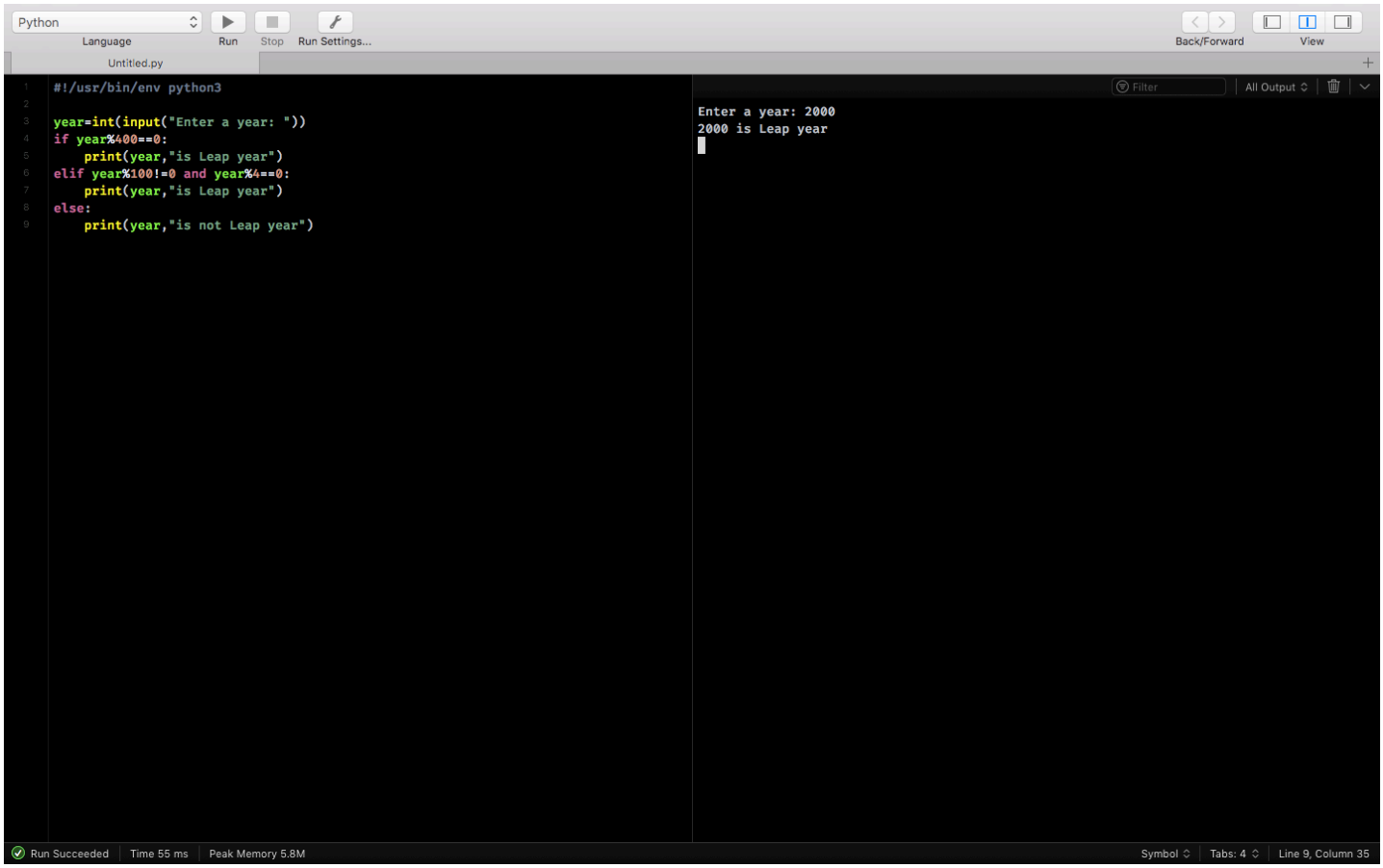
Program:

```
year=int(input("Enter a year: "))
if year%400==0:
                print(year,"is Leap year")
elif year%100!=0 and year%4==0:
                print(year,"is Leap year")
else:
        print(year,"is not Leap year")
```

Output:

```
Enter a year: 2000
2000 is Leap year
```

Screenshot:



Or Python Program to Check Odd-even number

Algorithm:

step 1 – START.

step 2 – get value of "num" from user.

step 3 – check. If num%2==0 then Display "Even number"

step 4 – If above conditions false then Display "Odd number".

step 5 – STOP

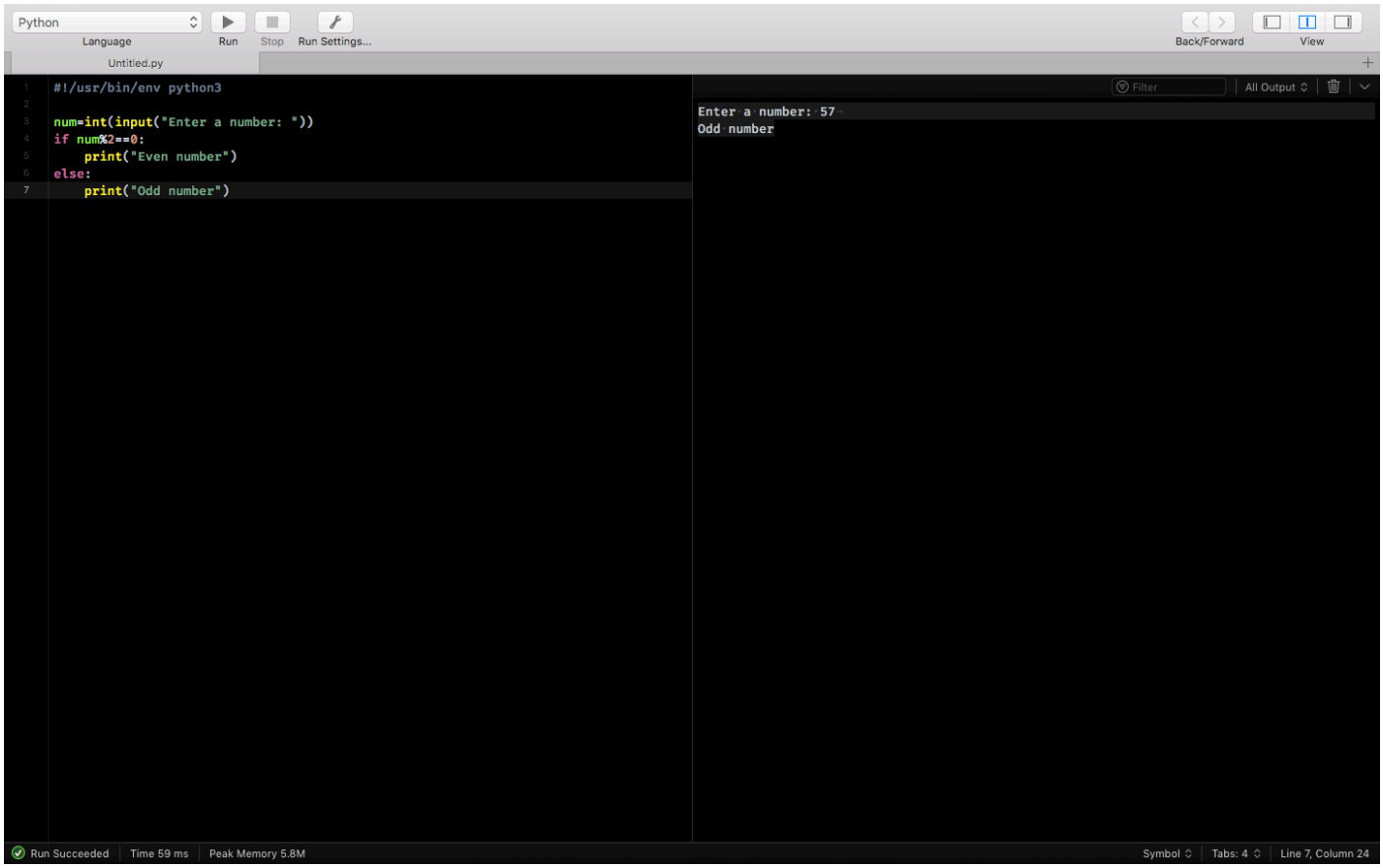
Program:

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

Output:

```
Enter a number: 57
Odd number
```

Screenshot:



Result: I have studied *if else* and *if-elif* statements in python and completed practical-2.