

**Experiment no –01 (B)**

**Aim:** Enter the number from the user and depending on whether the number is even or odd, print out an appropriate message to the user.

**Program:**

```
#Enter the number from the user and depending on whether the number is even or odd, print out an appropriate message to the user
```

```
# Python program to check if the input number is odd or even.
```

```
# A number is even if division by 2 gives a remainder of 0.
```

```
# If the remainder is 1, it is an odd number.
```

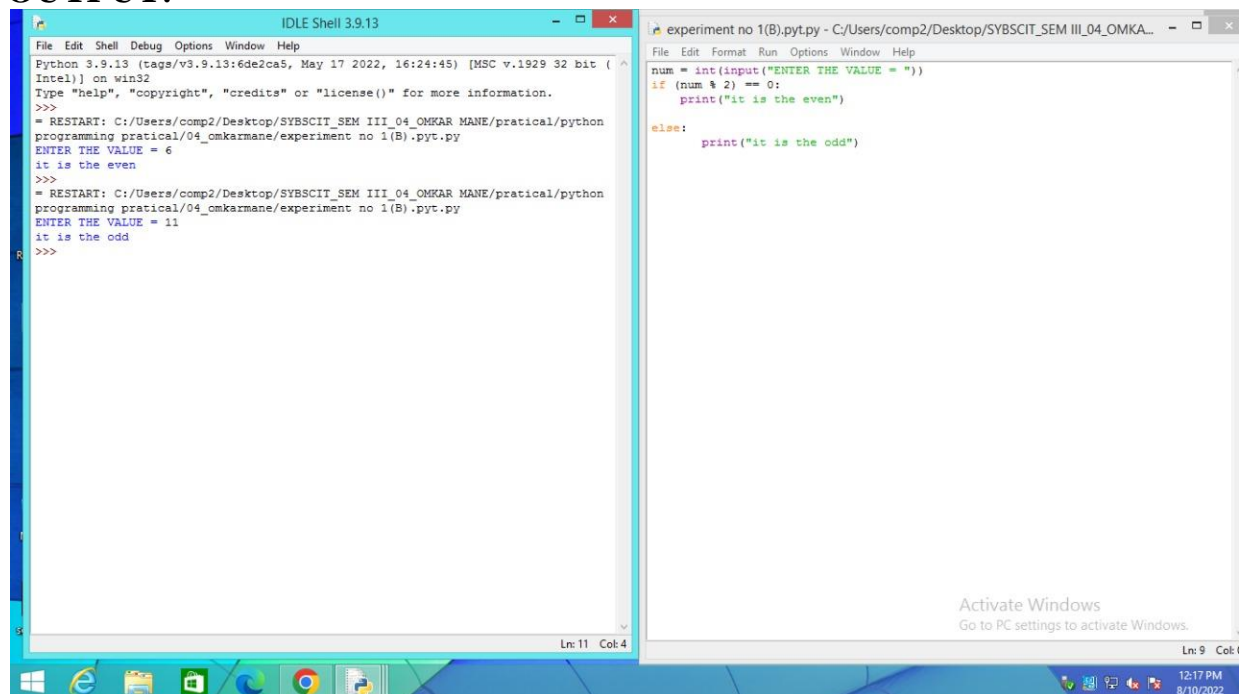
```
num = int(input("ENTER THE VALUE = "))
```

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

```
    print("it is the even")
```

```
else:
```

```
    print("it is the odd")
```

**OUTPUT:**

The screenshot displays two windows from the Python IDLE environment. The left window, titled 'IDLE Shell 3.9.13', shows the interactive prompt where the program was executed twice. In the first run, the user entered '6' and the output was 'it is the even'. In the second run, the user entered '11' and the output was 'it is the odd'. The right window, titled 'experiment no 1(B).pyt.py', shows the source code of the program, which uses an if-else statement to check if a number is even or odd based on its remainder when divided by 2. The code is as follows:

```
num = int(input("ENTER THE VALUE = "))
if (num % 2) == 0:
    print("it is the even")
else:
    print("it is the odd")
```

**Conclusion :** This is program successfully run.