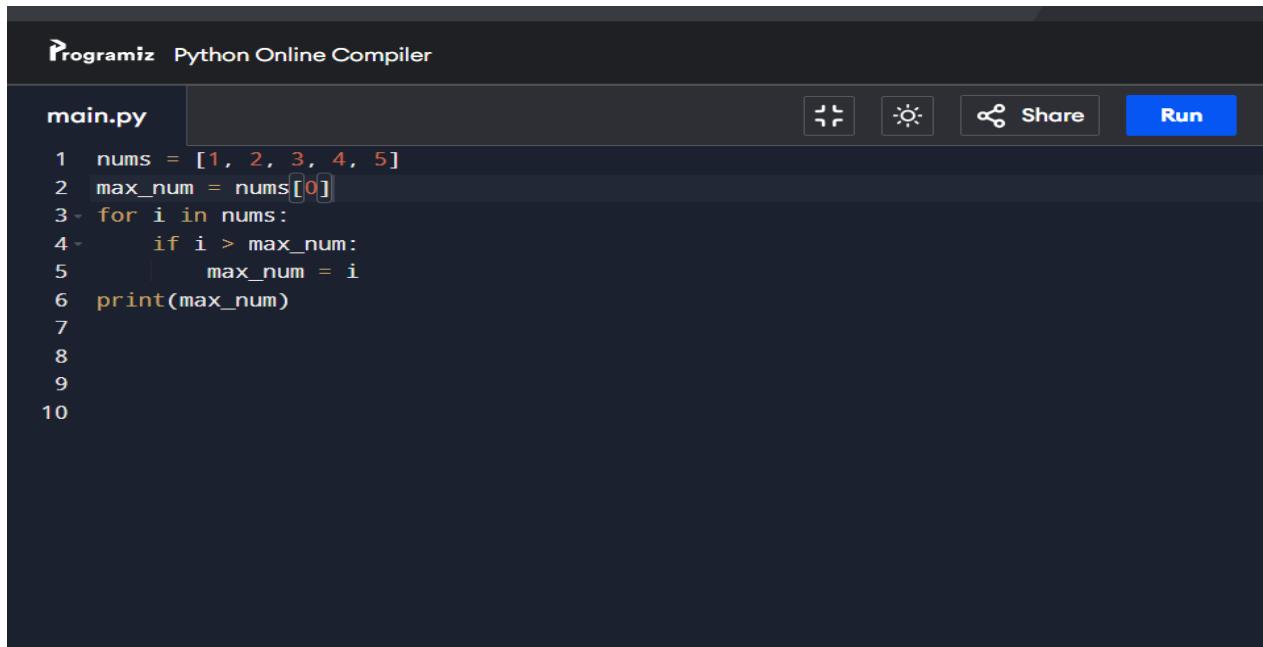


EXPERIMENT-5

TO FIND THE LARGEST NUMBER IN ARRAY WITH LEAST TIME COMPLEXITY

PROGRAM:

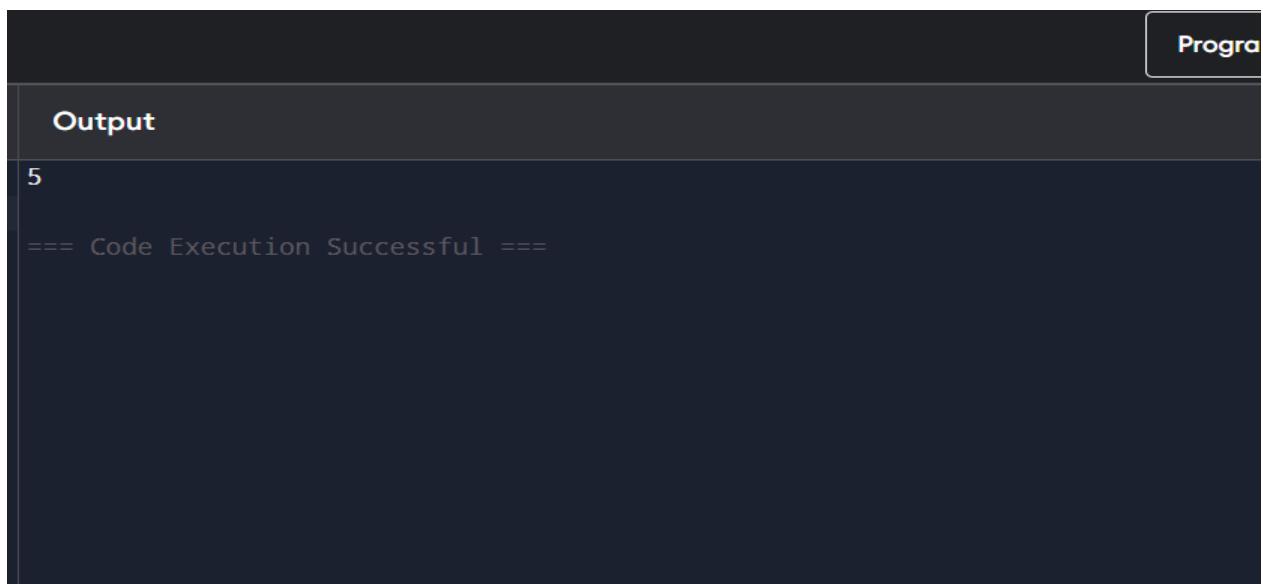


The screenshot shows the Programiz Python Online Compiler interface. The code file is named 'main.py' and contains the following Python code:

```
1  nums = [1, 2, 3, 4, 5]
2  max_num = nums[0]
3  for i in nums:
4      if i > max_num:
5          max_num = i
6  print(max_num)
7
8
9
10
```

The interface includes a 'Run' button and other standard compiler controls.

OUTPUT:



The screenshot shows the output window of the compiler. It displays the output of the program 'main.py'. The output is:

```
Output
5
==== Code Execution Successful ===
```