SYMBIOSIS INSTITUTE OF TECHNOLOGY

DEPARTMENT OF COMPUTER SCIENCE AND INFORMATION TECHNOLOGY

Software Testing and Quality Assurance

Lab Assignment - 2

PRN: 15070121170
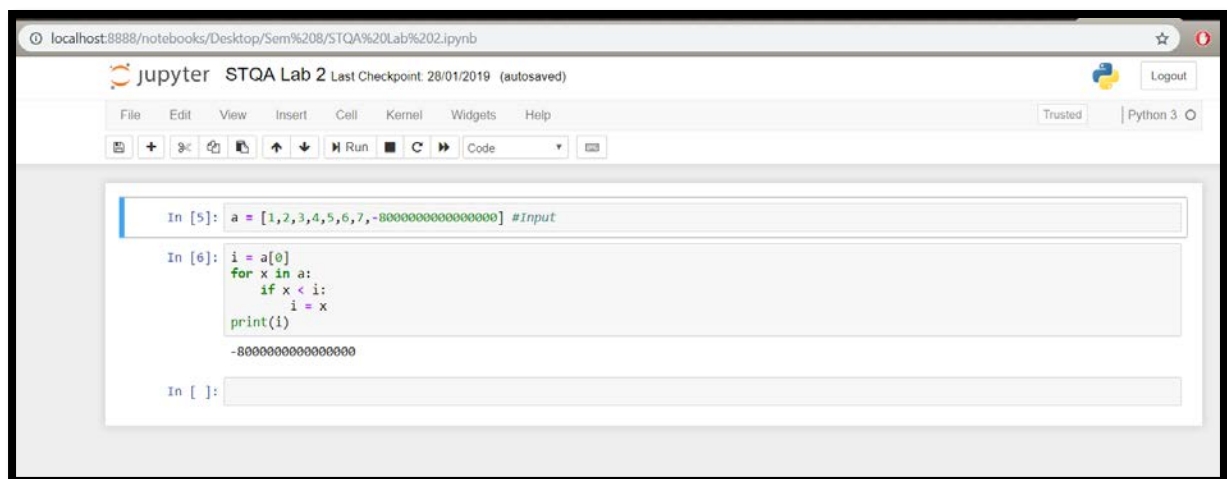
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BRANCH: CS (C4)

Question: Write a program in any language to find the smallest integer from a set of integers. Write different number of test cases, expected output and compare it with the actual output.

Code (written in Python 3 with Jupyter Notebooks):

```
a = [1,2,3,4,5,6,7,8] #Input
i = a[0]
for x in a:
   if x < i:
      i = x
print(i)
```

Output:

Test Cases:

Sr. No.	Size	Input	Expected Output	Actual Output	Status
1	2	2,3	2	2	Pass
2	3	2,3,2000000000000	2	2	Pass
3	1	2	2	2	Pass
4	0	-	Null	Error	Fail
5	5	1,1,1,1,1	1	1	Pass
6	3	34, 35, 45	34	34	Pass