

CSC 160

Spring 2021

Debugging Assignment

In the space below paste a screenshot showing that you have used the online python debugger to walk through an example using the code for if-elif-else in the notes for conditional execution.

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The screenshot displays the Python Tutor online debugger interface. On the left, a code editor shows a Python 3.6 script with the following code:

```
1 cond1 = True
2 cond2 = True
3 cond3 = True
4
5 if cond1:
6     print("Point A")
7
8 elif cond2:
9     print("Point B")
10
11 elif cond3:
12     print("Point C")
13
14 else:
15     print("Point D")
16
17
18
19
20
21 print("Point E")
```

Line 21 is highlighted with a green arrow, indicating it is the next line to execute. Below the code editor, a legend shows a green arrow for "line that just executed" and a red arrow for "next line to execute". Navigation buttons include "<< First", "< Prev", "Next >", and "Last >>". A status bar at the bottom indicates "Done running (6 steps)".

On the right, the "Print output" window shows the output of the program:

```
Point A
Point E
```

Below the print output, the "Frames" and "Objects" panels are visible. The "Frames" panel shows the "Global frame" with the following variables:

Variable	Value
cond1	True
cond2	True
cond3	True

At the bottom of the interface, there are links for "unsupported features", "Generate permanent link", "Generate embed code", and a privacy policy notice.

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Python 3.6
([known limitations](#))

```
1 cond1 = False
2 cond2 = True
3 cond3 = True
4
5 if cond1:
6
7     print("Point A")
8
9 elif cond2:
10
11     print("Point B")
12
13 elif cond3:
14
15     print("Point C")
16
17 else:
18
19     print("Point D")
20
→ 21 print("Point E")
```

[Edit this code](#)

→ line that just executed

→ next line to execute

<< First < Prev Next > Last >>

[Customize visualization](#) (NEW!)

Done running (7 steps)

Print output (drag lower right corner to resize)

Point B
Point E

Frames

Objects

Global frame

cond1	False
cond2	True
cond3	True