

```
[kianz001@empress cs111]$ g++ sqrt-step1-2.cpp
[kianz001@empress cs111]$ ./a.out
Enter a positive number: 10
Top is 4
Bottom is 3
Between 4 and 3, 3 is closer.

[kianz001@empress cs111]$ ./a.out
Enter a positive number: 8
Top is 3
Bottom is 2
Between 3 and 2, 3 is closer.

[kianz001@empress cs111]$ ./a.out
Enter a positive number: 16
Top is 4
Bottom is 3
Between 4 and 3, 4 is closer.

[kianz001@empress cs111]$ ./a.out
Enter a positive number: 777
Top is 28
Bottom is 27
Between 28 and 27, 28 is closer.

[kianz001@empress cs111]$
```