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**Roll Number: 45**

**Experiment Number: 5**

**Title: Largest Amongst 3 using nested conditions**

**Theory:** The code below uses a nested if-else-if logic to determine the largest number amongst 3. It checks number1>number2 true and if true check if number1 is also greater than number3, if true again, number1 is greatest else number3 is greatest. Similarly, if number1>number2 is false then it checks if number2 is greater than number3, if true number2 is greatest else number3.

**Code://This code finds the largest number amongst three numbers using a nested if-else statement**

**#include "iostream"**

**using namespace std;**

**int main() {**

**int a, b, c;**

**cout << "Enter three numbers: ";**

**cin >> a >> b >> c;**

**if(a>b) {**

**if(a>c){**

**cout << a << " is the largest number" << endl;**

**}**

**else {**

**cout << c << " is the largest number" << endl;**

**}**

**}**

**else {**

**if(b>c) {**

**cout << b << " is the largest number" << endl;**

**}**

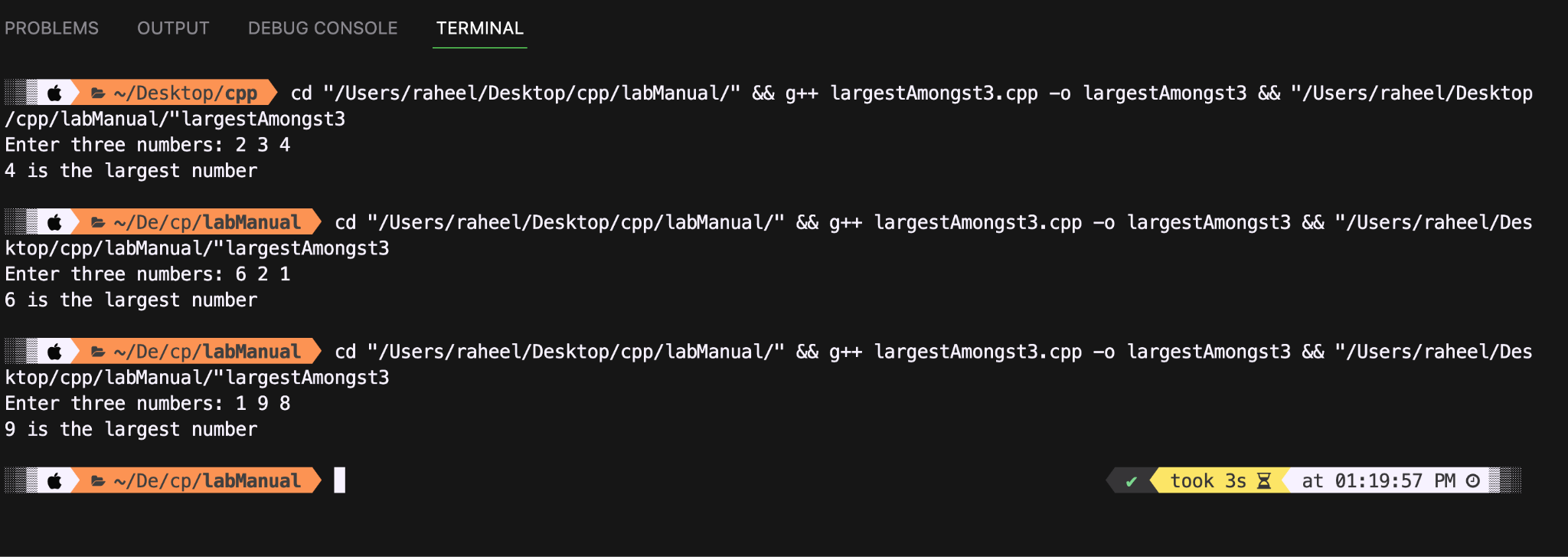
**else {**

**cout << c << " is the largest number" << endl;**

**}**

**}**

**}**

**Output:(screenshot):**