

CSA 0165 OOPS Using C++

Naveen A S - 192110141

Assignment – 1 dt. 27.10.2023


1. What is the exact output of the program below?

```
C:\Users\Adnan\Documents>jaunt 1 ase
```

```
5
5
5
5
6
-6
6
5
5
5
4
4
6
4
2
42
4
4
n
n

n * n = 16
m
-----
Process exited after 0.1306 seconds with return value 0
Press any key to continue . . .
```

2. What is the output of the program below?



3. What is the output of the program below?

```
C:\Users\Admin\Documents\exam1.exe
4
1
1
0
0
1
0
0
1
1
1

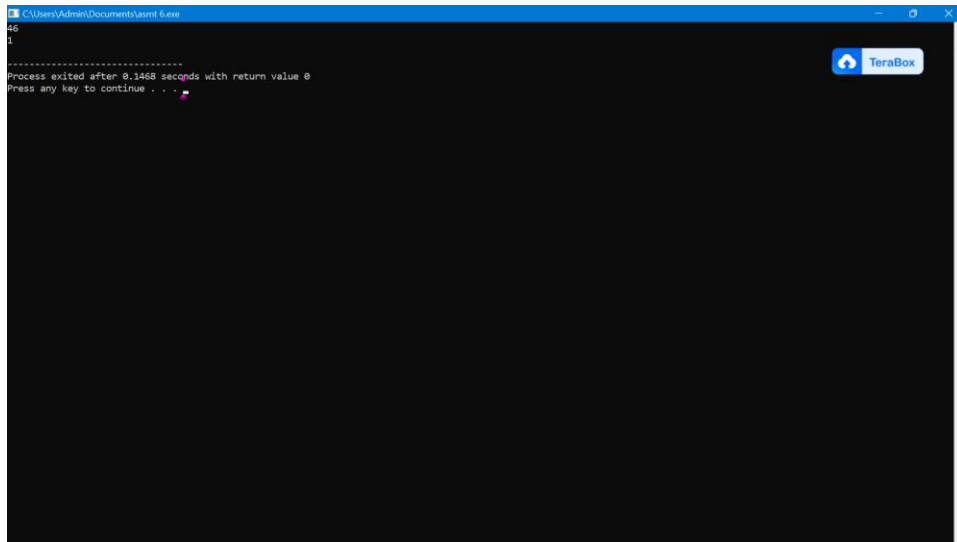
-----
Process exited after 0.1493 seconds with return value 0
Press any key to continue . . .
```

4. What is the output of the following program?

```
C:\Users\Admin\Documents\exam4.exe
0 4

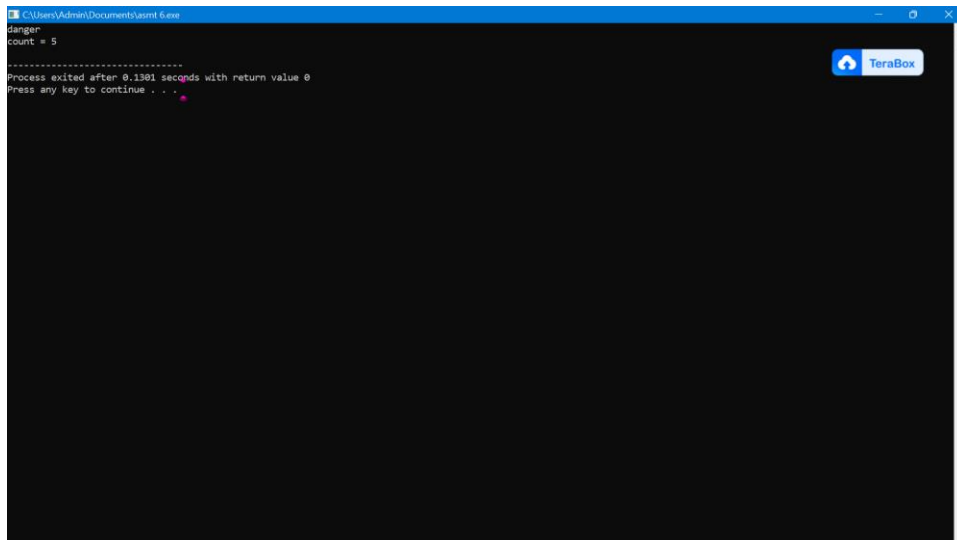
-----
Process exited after 0.1449 seconds with return value 0
Press any key to continue . . .
```

5. What is the output when the following code fragment is executed?



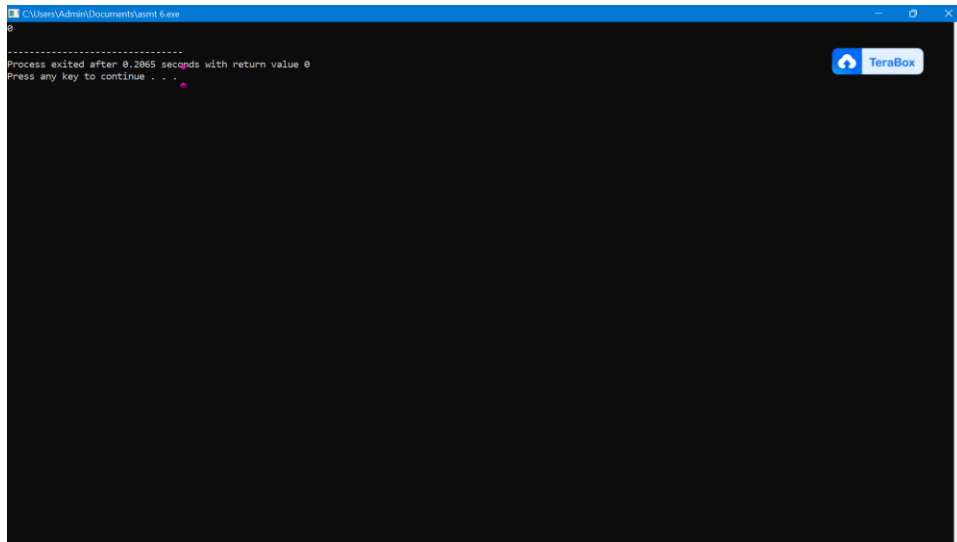
```
C:\Users\Admin\Documents\exam1 6.exe
46
1
-----
Process exited after 0.1468 seconds with return value 0
Press any key to continue . . .
```

6. What is the output when the following code fragment is executed?



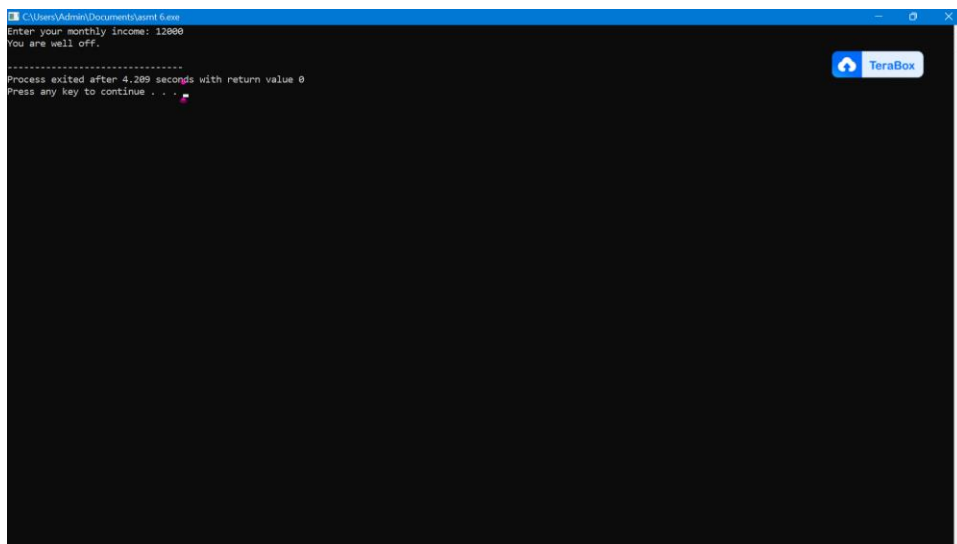
```
C:\Users\Admin\Documents\exam1 6.exe
danger
count = 5
-----
Process exited after 0.1391 seconds with return value 0
Press any key to continue . . .
```

7. The loop shown below has been written by an inexperienced C++ programmer. The behavior of the loop is not correctly represented by the formatting



A screenshot of a Windows command prompt window. The title bar shows the file path "C:\Users\Admin\Documents\asmt 6.exe". The command prompt displays the following text: "0", "-----", "Process exited after 0.2065 seconds with return value 0", and "Press any key to continue . . .". A TeraBox logo is visible in the top right corner of the window.

8. Remove all the unnecessary tests from the nested conditional statement below.



A screenshot of a Windows command prompt window. The title bar shows the file path "C:\Users\Admin\Documents\asmt 6.exe". The command prompt displays the following text: "Enter your monthly income: 12000", "You are well off.", "-----", "Process exited after 4.209 seconds with return value 0", and "Press any key to continue . . .". A TeraBox logo is visible in the top right corner of the window.

9. Answer the questions below concerning the following fragment of code.

```
C:\Users\Admin\Documents\usmt 6.exe
Enter an integer: 6
less than 10
-----
Process exited after 2.385 seconds with return value 0
Press any key to continue . . .
```

10. Rewrite the following code fragment so that it uses a "do...while..." loop to accomplish the same task

```
C:\Users\Admin\Documents\usmt 6.exe
Enter a non-negative integer: -2
The integer you entered is negative.
Enter a non-negative integer: -5
The integer you entered is negative.
Enter a non-negative integer: -7
The integer you entered is negative.
Enter a non-negative integer: 3
-----
Process exited after 8.006 seconds with return value 0
Press any key to continue . . .
```