

CISS240: Introduction to Programming
Quiz q1601

Name: _____

Score:

Q1. What is the output of this code fragment:

```
int i = 5, j = 3;
std::cout << "start\n";
if (i > 2)
{
    std::cout << i << ' ' << j << std::endl;
    int j = 6;
    std::cout << i << ' ' << j << std::endl;
    if (j < 5)
    {
        int i = 8;
        std::cout << i << ' ' << j << std::endl;
    }
    else
    {
        int i = 9;
        std::cout << i << ' ' << j << std::endl;
    }
    std::cout << i << ' ' << j << std::endl;
}
else
{
    std::cout << i << ' ' << j << std::endl;
    int j = 7;
    std::cout << i << ' ' << j << std::endl;
    if (j < 5)
    {
        int i = 6;
        std::cout << i << ' ' << j << std::endl;
    }
    else
    {
        int i = 7;
        std::cout << i << ' ' << j << std::endl;
    }
    std::cout << i << ' ' << j << std::endl;
}
std::cout << i << ' ' << j << std::endl;
std::cout << "end\n";
```

ANSWER:

```
start

end
```

Q2. Write down the line numbers of the statements that has an errors. (They all involve variable declaration.) If there's an error for line 4, 5, 6, write 4,5,6.

```
1  int i = 5, j = 3;
2
3  if (i > 2)
4  {
5      std::cout << i << ' ' << j << std::endl;
6      int j = 6;
7      std::cout << i << ' ' << j << std::endl;
8      if (j < 5)
9      {
10         int i = 8;
11         int j = 7;
12         std::cout << i << ' ' << j << std::endl;
13     }
14     else
15     {
16         int i = 9;
17         int j = 10;
18         std::cout << i << ' ' << j << std::endl;
19     }
20     int j = 11;
21     std::cout << i << ' ' << j << std::endl;
22 }
23 else
24 {
25     std::cout << i << ' ' << j << std::endl;
26     int j = 7;
27     std::cout << i << ' ' << j << std::endl;
28     if (j < 5)
29     {
30         int i = 6;
31         int j = 7;
32         std::cout << i << ' ' << j << std::endl;
33     }
34     else
35     {
36         int i = 7;
37         int j = 8;
38         std::cout << i << ' ' << j << std::endl;
39     }
40     int j = 9;
41     std::cout << i << ' ' << j << std::endl;
42 }
43 int j = 10;
44 std::cout << i << ' ' << j << std::endl;
```

ANSWER: