CS 215 – Study Questions 2
C++ types, input, and output

1. What are the rules used by the input operator (>>) when it is used to read an integer value?

2. What are the rules used by the input operator (>>) when it is used to read a float value?

3. What are the rules used by the input operator (>>) when it is used to read a character value?

4. What are the rules used by the input operator (>>) when it is used to read a string value?

5. Given the following C++ program:

```
#include <iostream>
#include <string>
using namespace std;
int main ()
{
        int i = 0;
        float f = 0.0;
        char c = '?';
        string s = "???";
        cout << "Enter line of data: ";
        cin >> i >> f >> c >> s;
        cout << "The output is: ";
        cout << i << ' ' << f << ' ';
        cout << c << ' ' << s << endl;
        return 0;
}
```

a. What is the output when the input is:

    12 13.45 a bcdef

b. What is the output when the input is:

    13.45 a bcdef

c. What is the output when the input is:

    fedcb a 54.31 21

d. What is the output when the input is:

    1213.45abcdef