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:

```cpp
#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