

**ENGINEERING H192
PRELIMINARY ASSIGNMENT 24**

1. Which is a correct preprocessor declaration to use a C++ header file?
 - a. `#include iostream`
 - b. `#include <iomanip>`
 - c. `#include <fstream.h>`
 - d. `#include strstream.h`

2. Does `ifstream` contain the characteristics of `istream` or does `istream` contain the characteristics of `ifstream`?

3. Explain what the following command would do:

```
cout << setw(6);
```

- 4-6. Write a short C++ segment that would output an integer value, `count`, that is left aligned, followed by a string, `name`, that is right aligned. On the following line the code segment should output a float value, `difference`, that has its sign left-aligned and the numerical value right-aligned.

7. Fill in the while condition in the code segment below. (Use an I/O stream member function.)

```
char name[80];  
int count;  
  
while(           )  
{  
cin.getline(name,80);  
count++;  
cout << "\nName number" << count << "is" << name;  
}
```

8. What is the name of format state flag tested by the above while condition?

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