

# Simple I/O

## Exercises

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CS185

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## 1. What is the following code's output?

```
std::cout << "|";  
std::cout.width(10);  
std::cout.precision(4);  
std::cout << 83.162576f;  
std::cout << "|" << std::endl;
```

- ☐ | 83.16|
- ☐ |83.1625760|
- ☐ |83.16 |

## 2. What is the following code's output?

```
int i = 461012;  
  
std::cout << "|";  
std::cout.fill('#');  
std::cout.width(8);  
std::cout << i;  
std::cout << "|" << std::endl;
```

- ☐ | 461012|
- ☐ |00461012|
- ☐ |##461012|

## 3. What is the following code's output?

```
float f = 172.47f;  
  
std::cout << "|";  
std::cout.setf(std::ios_base::left, std::ios_base::adjustfield);  
std::cout.setf(std::ios_base::showpoint);  
std::cout.width(10);  
std::cout.precision(8);  
std::cout << f;  
std::cout << "|" << std::endl;
```

- ☐ | 172.47000|
- ☐ |0172.47000|
- ☐ |172.47000 |

4. The code found in Exercise 1,2 and 3 is not using manipulators. Rewrite the code using manipulators. (Of course, the same output is expected).

**Exercise 1  
Code**

**Exercise 2  
Code**

**Exercise 3  
Code**

5. What is dangerous in the below code?

|               |   |
|---------------|---|
| <b>Code</b>   | <pre>char s[12];<br/><br/>std::cin &gt;&gt; s;<br/>std::cout &lt;&lt; s &lt;&lt; std::endl;</pre> |
| <b>Answer</b> |   |