

First/Last name: Braden Kumpain

CSCI111, Fall 2021 - Quiz 2 (Print legibly - do NOT write!)

Use the back page if you need more space for writing.

1. What is "compiling" or a "compiler" or why do we need a compiler? Explain briefly.

Compiling basically means that the compiler is converting code that humans can understand to code that machines can understand.

2. What is a "source code"? What is an "object code"? Are they the same things with different names/labels or there is a distinction between them? Explain briefly.

Source code is code that's written inside the main() function, while object code is functions created outside the main() function. ~~Object codes may be called within the source code.~~

3. Write the output of the code below:

10 9 8 7 6 5 4 3 2 1

```
#include <iostream>
using namespace std;
int main()
{
    int i = 10;           // Initial condition
    while (i > 0)         // Examining the condition - if it holds or not
    {
        cout << i << " "; // Action to be taken while the condition holds
        i--;              // Decrement the iterator
    }
    return 0;
```

4. Implement the SAME program in question 3 above using a "for" loop. You **don't** need to write the **whole** program; just the "for" loop.

```
for (int i = 10; i > 0; i--) {
    cout << i << " ";
}
```