

# CS102B - Introduction to Computer Science

Fall 2023

09/26/23

Quiz #1

Name: \_\_\_\_\_

Score: \_\_\_\_ +1 / 10

## Reading (5 points)

Write the output to the following program.

```
#include <stdio.h>

int main() {

    printf("Weather Forecast\n");

    int currentHigh = 65;
    int normalHigh = 74;
    int rain = 2; // 2 inches

    printf("It will be %d degrees Fahrenheit.\n", currentHigh);

    if (currentHigh > normalHigh) {
        printf("It is hotter than normal.\n");
    }
    else if (currentHigh < normalHigh) {
        printf("It is cooler than normal.\n");
    }
    else {
        printf("The temperatures are normal.\n");
    }

    if (rain) {
        printf("It is raining %d inches today.\n", rain);
    }

    printf("That's the end of the weather forecast.\n");

    return 0;
}
```

Output of the above program:

### Even or Odd - Writing (5 points)

Fill in the skeleton program below that determines if the single digit number entered is an even number or an odd number. The program should print out “Even” if it’s an even number and “Odd” if it’s an odd number. If the input is anything else, print “Invalid input”.

For example:

Enter a character: 2

Even

Enter a character: 7

Odd

Enter a character: B

Invalid input

```
#include <stdio.h>

int main()
{
    printf("Enter a single digit integer: ");
    char c = getchar();

    return 0;
}
```