

## CS111 SPRING 2019 LAB QUIZ 1

NAME \_\_\_\_\_

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### SECTION 1

```
int main()
{
    double d = 2.3;
    int i = d;
    cout << i << " , "<< d << endl;
    1) Output of line above
    _____

    cout << i %2 << endl;
    2) Output of line above
    _____

    cout << i / 2 << endl;
    3) Output of line above
    _____

    cout << i * 4.5 << endl;
    4) Output of line above
    _____

    cout << (((i) * (4.5))+1)/2 << endl;
    5) Output of line above
    _____

    return 0;
}
```

Why won't the small program below compile

6) \_\_\_\_\_

7) \_\_\_\_\_

```
void main
{
    return 0;,,,;
}
```

## SECTION 2

8) Celsius to Fahrenheit - Write a program that asks the user to enter a 'C','c','F' or 'f' followed by a decimal. If the user enters a c or C then output the number to Fahrenheit. If the user enters a f or F then output the number to Celsius

$$C \Rightarrow F = (C \times 9/5) + 32$$

$$F \Rightarrow C = (F - 32) * 5/9$$

9) Number Positive or Negative – Write a program that asks the user to enter a whole number between -10 and 10. The program then tells the user whether his number is positive or negative.

### SECTION 3

10) Highest of three numbers. The program below asks the user to enter three whole numbers and then displays the largest one. Which input will make it fail?

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#### **Xtra Credit -Either fix it or rewrite it...**

```
int main()
{
    int x, y, z;
    cout << "enter three whole numbers" << endl;
    cin >> x; cin >> y; cin >> z;
    int highest = 0;

    if (x > y&&x > z)
        highest = x;
    else if(y > x&&y > z)
        highest = y;
    else
        highest = z;
    cout << "The largest number is " << highest << endl;
    return(0);
}
```