

## CS101: Quiz #2

Name: SOLUTION

1. For each of the following arithmetic expressions, give its value and check off whether the value is integer or floating-point. The first row is filled in for you:

Expression	Value	Integer	Floating Point
1+2	3	✓	
2.+3*4	14		✓
15 / 2	7	✓	
15 % 2	1	✓	
15 / 2.0	7.5		✓
6*3%7	4	✓	

2. Give the values of the integer variables n and m after the following piece of code has executed:

```
int n, m = 5;
n = 1;
m--;
n = n+m;
m /= 2;
```

n	5
m	2

QUESTION 3 IS ON THE BACK.

3. Consider the following file text file named `money.dat` (the file is in the current directory)

```
5000 1500
7500 1000
```

What is the output of the following program?

```
#include<iostream.h>
#include<fstream.h>

void main(){

    double income, expenses;
    ifstream infile("money.dat");

    infile >> income >> expenses;
    cout << income - expenses << endl;

    infile >> income >> expenses;
    cout << income - expenses << endl;

    infile.close();
}
```

Output: 3500 6500
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