Lab 2 Variables, data types, and type conversion

Q5. Type conversion
Add the following code to the main function after your code for Q4. What's the output? Try to think about why.

```
int i = 5;
char a = 'A';
double x = 1.23;
i = i - x;
x = x*a;

cout << "Value of i is " << i << "\n";
cout << "Value of x is " << x << "\n";
```

Q6. Implicit conversion between integers and floating point numbers
Add the following code to the main function. What's the value of x at each step? Observe if your answer is correct by adding necessary cout statements. Think about why.

```
int j=3, k=2;
double y;
y = j/k;
y = j/double(k);
y = double(j)/k;
y = double(j/k);
y = j/2;
y = j/2.0;
```