Integer vs Floating Point Division

```
1  // Integer Vs Floating Point Division
2
3  #include<iostream>
4  using namespace std;
5
6  int main()
7  {
8      // Integer division
9
10     int a, b, c;
11
12     a = 10;
13     b = 4;
14     c = a / b;  // c can hold 2 only, 0.5 is dropped
15
16     cout << "c = " << c << endl;
17
18     // Floating point division
19
20     double x, y, z;
21
22     x = 10;
23     y = 4;
24     z = x / y; // z can hold 2.5
25
26     cout << "z = " << z << endl;
27
28     return 0;
29 }
```

Output

```
1  c = 2
2  z = 2.5
```