



MANGAT

# Working with different data types

# Putting it all together



```
import java.util.Scanner;
```

```
class CalculateRoomArea {  
    public static void main(String args[]) {
```

```
        Scanner myScanner = new Scanner(System.in);  
        double length, width, area;
```

```
        System.out.print("What's the length of your room in metres ? ");  
        length= myScanner.nextDouble();
```

```
        System.out.print("What's the width of your room in metres? ");  
        width= myScanner.nextDouble();
```

```
        area= length * width;
```

```
        System.out.print("The area of your room is ");  
        System.out.print(area);  
        System.out.print("m");
```

```
    }
```

```
}
```

# Variable types



- What happens if you change *area* into an int?
- The type of data that is stored in a variable may not be easily transferred into a variable of a different type.
- Also, data types effect how operations work. It makes sense to multiply two number, but what about two characters?

# Variable types



*System.out.println(11 / 4)*

- prints 2

*System.out.println(11.0 / 4)*

- prints 2.75
- It is important to consider your data when deciding what variables to use in your program

# Questions?



- Next - Strings