

# **Java Programming For Beginners**

**Day 5**

# Topics Covered Today

- Functions
- Exceptions

**A function is a routine.**

**Function naming rules are same as variable naming rules.**

**Method and Function are synonymous in Java.**

## Exercise

Make function `introduceYourSelf()` and call it multiple times.

**A function can take arguments.**

## Exercise

Modify the `introduceYourSelf()` function to to take name, age, etc. as arguments.



**Reminder: Every function is a scope.**

**A variable defined inside a function is only visible inside that function.**

**A **global variable** is a variable that is visible to all functions.**

**A function can have a value.**

**Exercise make `areaOfRectangle()` function.**

**Multiple functions can have same name, but with different arguments.**

**An `exception` is a run-time error.**

To catch an exception use **try** and **catch**.

```
try {  
    // do something  
} catch (Exception e) {  
    // what to do when an error happens  
}
```



**To make an exception yourself use `throw`**

**Thank You**