



Advanced Java Programming

Review Java Concepts - Methods

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What's method ?

- * is object behavior.
- * can have return-value or no-return value.
- * syntax :

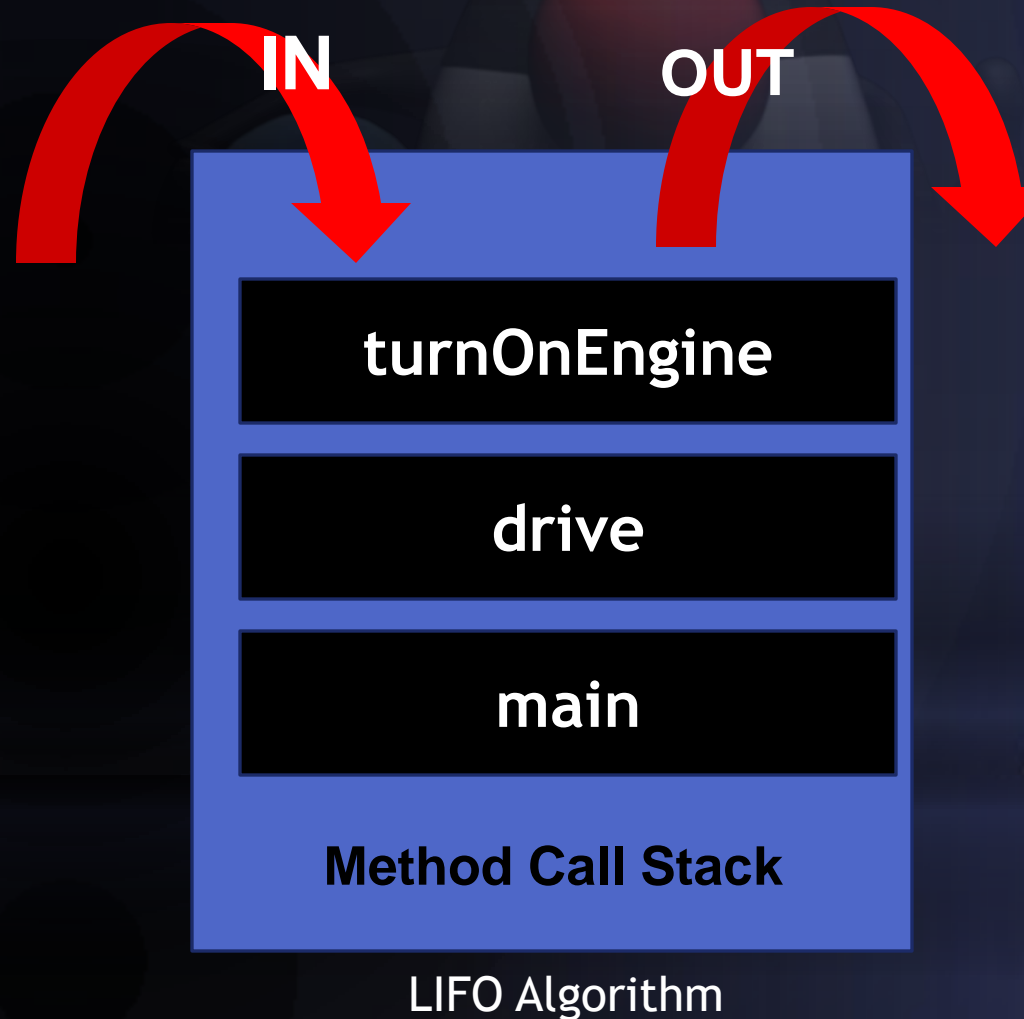
```
[visibility] [return type] [method name] ( [parameters] ) {  
    [statement]  
}
```

Method Call Mechanism

```
public static void main(String  
[] args){  
    drive(50);  
}
```

```
public void drive(int speed){  
    turnOnEngine();  
}
```

```
public void turnOnEngine(){  
}
```



Static vs Non-static Methods

- * static methods : can't be accessed without instantiation.
- * non-static methods : only can be accessed with instantiation.
- * static methods can't be allowed to reference non-static method but non-static allowed to.

Overloading Constructor & Method

- * Have same name but differ in :
 - parameter count
 - parameter data type

Overloading Operator

- * is “+”.
- * can be used to concatenate two strings and to perform arithmetic operation.
- * Example :

```
class OperatorOverloadingDemo{
    public static void main(String [] args){
        System.out.println("Jumlah 1+5 = " + (1 + 5));
        System.out.println("Jumlah 1+5 = " + 1 + 5);
    }
}
```

Wrapper Classes

* is used to wrap primitive data types to be reference types.

Primitive	Wrapper Class
int	Integer
short	Short
long	Long
double	Double
float	Float
char	Character

Next Chapter

- * Continue reading about Inheritance