Why Have Code Conventions

Code conventions are important to programmers for a number of reasons:

- Help yourself with analyzing questions, writing logical code
- Faster and easier debug, minimize code complexity
- Other programmers can understand your code, it's a universal language, makes you professional

How to Write Universal Language

Code Comments

- Comments are used to explain the code, the compiler will skip comments
- Single-line comments start with two forward slashes (//).

```
// This is a comment
System.out.println("Hello World");
```

• Multi-line comments start with /* and ends with */. Any text between /* and */ will be ignored by Java.

```
/* The code below will print the words Hello World
to the screen, and it is amazing */
System.out.println("Hello World");
```

Use of Indentation

- Do not write long line. Maximumly 69 characters (you don't need to count one by one).
- Bad example

Good example

Avoid Commenting on Obvious Things

• Don't restate code

```
// Print Hello World
System.out.println("Hello World");
```

Proper and Consistent Scheme for Naming

- Variable names should make sense, usually lower case
- If the variable name includes more than 1 word, capitalize the first letter of the words except the first one. Some basic example can be

```
int count;
int pastScore;
String username;
String password;
String groupName;
```

Deep nesting structure should be avoided

• If you have some structure like this, you probably need to rethink about the conditions and simplify the logic.