JAVA NAMING CONVENTIONS

Java naming convention is a rule to follow as you decide what to name your identifiers such as class, interface, method, variable, constant, package, etc.

But, it is not forced to follow. So , it is known as convention not rule.

**Naming conventions for the different identifiers are:**

**1. Class:**

Class should start with the upper case letter.

**Example:** public class **Employee** {

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------------------------- code snippet

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}

**2. Interface:**

Interface should start with the upper case letter.

**Example:** interface **Printable** {

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----------------------- code snippet

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}

**3.Method:**

* It should start with lower case letter for some methods such as main() , print() , println().
* If the name contains multiple words, then it should start with a lower case letter followed by an uppercase letter such as studentInfo() , employeeDetails() , customerInfo() , userFirstNameInfo() , etc.

**Examples:**

Ex1: class Animal { Ex2: class Employee {

// method //method

void **eat()** { void **employeeInfo()** {

// code snippet // code snippet

} }

} }

**4. Variable:**

* It should start with a lower case letter such as id, name, salary, address, etc.
* It should not start with special characters such as &(ampersand) , $ (dollar), \_ (underscore).
* If the name contains multiple words, then it should start with the lowercase letter followed by an uppercas letter such as firstName, lastName, phoneNumber , etc.

**Example:** class Customer {

//variables

int **id** ;

String **firstName**;

String **lastName**;

Long **phoneNumber**;

// code snippet

}

**5. Constant:**

* It should be in upper case letters only such as BLUE, RED, ORANGE, PINK, YELLOW, etc.
* If the name contains multiple words, then it should be separated by an underscore( \_\_ ) such as PURPLE\_ROSE, SKY\_BLUE , MIN\_AGE etc.

**Example:** class Employee {

//constants

int **AGE**;

int **MIN\_AGE**;

//code snippet

}

**6. Package:**

* It should be a lowercase letter such as java, lang, etc.
* If the name contains multiple words, it should be separated by dots (.) such as java.util ,

java.lang, com.google, com.oracle , etc.

**Example:** //package

**package com.google;**

class Customer {

// code snippet

}

Camel case, Pascal case, Snake case naming conventions in Java :

**1. Camelcase:**

If the name is combined with two or more words, then first word should start with lowercase

letter and remaining words ( from second word onwards) should start with uppercase letter.

Examples: **firstName, lastName**, **userLoginCount**, etc.

**2.Pascalcase:**

First letter of every word should be uppercase letter only.

Examples: **FirstName**, **LastName**, **UserLoginCount**, etc.

**3.Snakecase:**

Snake case combines words by replacing each space with an underscore ( \_\_ ).

We can write all lowercase words separated by underscore or we can write all uppercase words

Separated by underscore.

Examples:

**user\_login\_count** ------------------------------------🡪 Snake case in all lower case

**USER\_LOGIN\_COUNT** -------------------------🡪 Snake case in all upper case

**4.Kebab case:**

Kebab case combines words by replacing each space with a dash ( - ).

We can write all lowercase words separated by dash or we can write all uppercase words

Separated by dash.

Examples:

**User-login-count** ------------------------------------🡪 Kebab case in all lower case

**USER-LOGIN-COUNT** -------------------------🡪 Kebab case in all upper case