## Naming Conventions

Naming conventions make programs more understandable by making them easier to read. They can also give information about the function of the identifier-for example, whether it's a constant, package, or class-which can be helpful in understanding the code.

1. Packages -> The prefix of a unique package name is always written in all-lowercase ASCII letters and should be one of the top-level domain names, currently com, edu, gov, mil, net, org, or one of the English two-letter codes identifying countries as specified in ISO Standard 3166, 1981. Subsequent components of the package name vary according to an organization's own internal naming conventions.

Eg -> com.apple.quicktime.v2 , edu.cmu.cs.bovik.cheese

2. Classes -> Class names should be nouns, in mixed case with the first letter of each internal word capitalized. Try to keep your class names simple and descriptive. Use whole words-avoid acronyms and abbreviations.

Eg -> class **StringBuilder ,**

**class LocalDateTime**

3. Interfaces -> Interface names should be capitalized like class names.

Eg -> interface [CharSequence](https://docs.oracle.com/javase/8/docs/api/java/lang/CharSequence.html),

[Serializable](https://docs.oracle.com/javase/8/docs/api/java/io/Serializable.html), [Temporal](https://docs.oracle.com/javase/8/docs/api/java/time/temporal/Temporal.html),[TemporalAccessor](https://docs.oracle.com/javase/8/docs/api/java/time/temporal/TemporalAccessor.html),

4. Methods ->Methods should be verbs, in mixed case with the first letter lowercase, with the first letter of each internal word capitalized.

Eg -> **[capacity](https://docs.oracle.com/javase/8/docs/api/java/lang/StringBuilder.html" \l "capacity--)**() ,**[append](https://docs.oracle.com/javase/8/docs/api/java/lang/StringBuilder.html" \l "append-int-)**(),**[toString](https://docs.oracle.com/javase/8/docs/api/java/lang/StringBuilder.html" \l "toString--)**(),

**[getDayOfMonth](https://docs.oracle.com/javase/8/docs/api/java/time/LocalDateTime.html" \l "getDayOfMonth--)**(), **[getMinute](https://docs.oracle.com/javase/8/docs/api/java/time/LocalDateTime.html" \l "getMinute--)**()

5. Variables -> Except for variables, all instance, class, and class constants are in mixed case with a lowercase first letter. Internal words start with capital letters. Variable names should not start with underscore \_ or dollar sign $ characters, even though both are allowed.

Variable names should be short yet meaningful. The choice of a variable name should be mnemonic- that is, designed to indicate to the casual observer the intent of its use.

Eg-> float myWidth =13.5f;

6.Constants -> The names of variables declared class constants and of ANSI constants should be all uppercase with words separated by underscores ("\_").

Eg -> static final int MIN\_WIDTH = 4;