# CoreJava Prep

1. What are anonymous classes ?

Ans - Anonymous classes are inner classes with no name. we have to declare and instantiate anonymous classes in a single expression at the point of use. While defining anonymous class, we may either extend an existing class or implement an interface.

2. What is an Lambda expression ?

Ans -

1. Lambda is equivalent to function (method) without a name.
2. Lambda is also referred as anonymous function. A function will have these basic properties

* Method parameters
* Method body
* Return type

1. Lambda is not tied with any class like any regular method.
2. Lambda can be assigned to a variable and passed around. Below is the lambda expression,

() -> {}

() - Parenthesis is a symbol for method parameters

{} - Curly braces represents

3. How do you start new Thread in Java ?

There are 2 ways by which new thread can be created. One way is that you call start() method of Thread class. It is very important to remember that if we call run() method of Thread class then new thread will not be created. So always call Thread.start() method to create a new thread.

4. Thread.currentThread().getId() - What is this method call ?

Ans - Thread.currentThread() method returns reference of current thread and its getId() method returns thread id.

5. What do you understand by annotation @FunctionalInterface ?

Ans - A Functional interface is an interface which contains only one abstract method. However it can contain any number of default methods. From Java 8 onwards lambda expression can be used to represent instance of a functional interface.