**Java 8 method reference example**

In [Java 8](https://howtodoinjava.com/java-8-tutorial/), we can refer a method from class or object using **class::methodName** type syntax. Let’s learn about different types of available **method references in java 8**.

**Types of method references**

Java 8 allows four types of method references.

|  |  |  |
| --- | --- | --- |
| **METHOD REFERENCE** | **DESCRIPTION** | **METHOD REFERENCE EXAMPLE** |
| Reference to **static method** | Used to refer static methods from a class | Math::max equivalent to Math.max(x,y) |
| Reference to **instance method from instance** | Refer to an instance method using a reference to the supplied object | System.out::println equivalent to System.out.println(x) |
| Reference to **instance method from class type** | Invoke the instance method on a reference to an object supplied by the context | String::length equivalent to str.length() |
| Reference to **constructor** | Reference to a constructor | ArrayList::new equivalent to new ArrayList() |