Java provides a new method forEach() to iterate the elements. It is defined in Iterable and Stream interface. It is a default method defined in the Iterable interface. Collection classes which extends Iterable interface can use for Each loop to iterate elements.

This method takes a single parameter which is a functional interface. So, you can pass lambda expression as an argument.

forEach() Signature in Iterable Interface

```
default void forEach(Consumer<super T>action)
```

------Iterating by passing lambda expression------

Java 8 forEach() example 1

```
import java.util.ArrayList;
import java.util.List;
public class ForEachExample {
  public static void main(String[] args) {
     List<String> gamesList = new ArrayList<String>();
     gamesList.add("Football");
     gamesList.add("Cricket");
     gamesList.add("Chess");
     gamesList.add("Hocky");
     System.out.println("------Iterating by passing lambda expression------);
     gamesList.forEach(games -> System.out.println(games));
  }
}
```

Output:

```
Football
Cricket
Chess
Hocky
```

Java 8 forEach() example 2

```
import java.util.ArrayList;
import java.util.List;
public class ForEachExample {
  public static void main(String[] args) {
     List<String> gamesList = new ArrayList<String>();
     gamesList.add("Football");
     gamesList.add("Cricket");
     gamesList.add("Chess");
     gamesList.add("Hocky");
     System.out.println("------Iterating by passing method reference-----");
     gamesList.forEach(System.out::println);
  }
}
```

-----Iterating by passing method reference-----

Output:

```
Cricket
Chess
Hocky
Java Stream forEachOrdered() Method
```

Along with forEach() method, Java provides one more method forEachOrdered(). It is used to iterate elements in the order

specified by the stream. Singnature:

void forEachOrdered(Consumer<? super T> action)

```
Java Stream forEachOrdered() Method Example
```

import java.util.ArrayList; import java.util.List;

```
public class ForEachOrderedExample {
  public static void main(String[] args) {
     List<String> gamesList = new ArrayList<String>();
     gamesList.add("Football");
     gamesList.add("Cricket");
     gamesList.add("Chess");
     gamesList.add("Hocky");
     System.out.println("------Iterating by passing lambda expression-----");
     gamesList.stream().forEachOrdered(games -> System.out.println(games));
     System.out.println("------Iterating by passing method reference-----");
     gamesList.stream().forEachOrdered(System.out::println);
  }
```

```
Output:
-----Iterating by passing lambda expression-----
Football
Cricket
Chess
Hocky
-----Iterating by passing method reference-----
Football
Cricket
Chess
Hocky
```