

**dt : 18/10/2023**

**faq:**

**define forEach() method?**

**=>forEach() method introduced by Java8 version and which is used to retrieve elements from Collection<E> and Map<K,V> objects.**

**structure of forEach() on Collection<E> objects:**

**public default void forEach(java.util.function.Consumer<? super T>);**

**Structure of forEach() on Map<K,V> Objects:**

**public default void forEach**

**(java.util.function.BiConsumer<? super K, ? super V>);**

**define Consumer<T>?**

**=>Consumer<T> is a Functional Interface introduced by Java8 version and which provide accept()-method to hold LambdaExpression passed as parameter to forEach() method on Collection<E> objects.**

**structure of Consumer<T>:**

```
public interface java.util.function.Consumer<T>
```

```
{
```

```
    public abstract void accept(T);
```

```
    ...
```

```
}
```

**define BiConsumer<T,U>?**

**=>BiConsumer<T,U> is a Functional Interface introduced by Java8 version and which provide accept()-method to hold LambdaExpression passed as parameter to forEach() method on Map<K,V> Objects.**

**structure of BiConsumer<T,U>:**

```
public interface java.util.function.BiConsumer<T, U>
```

```
{
```

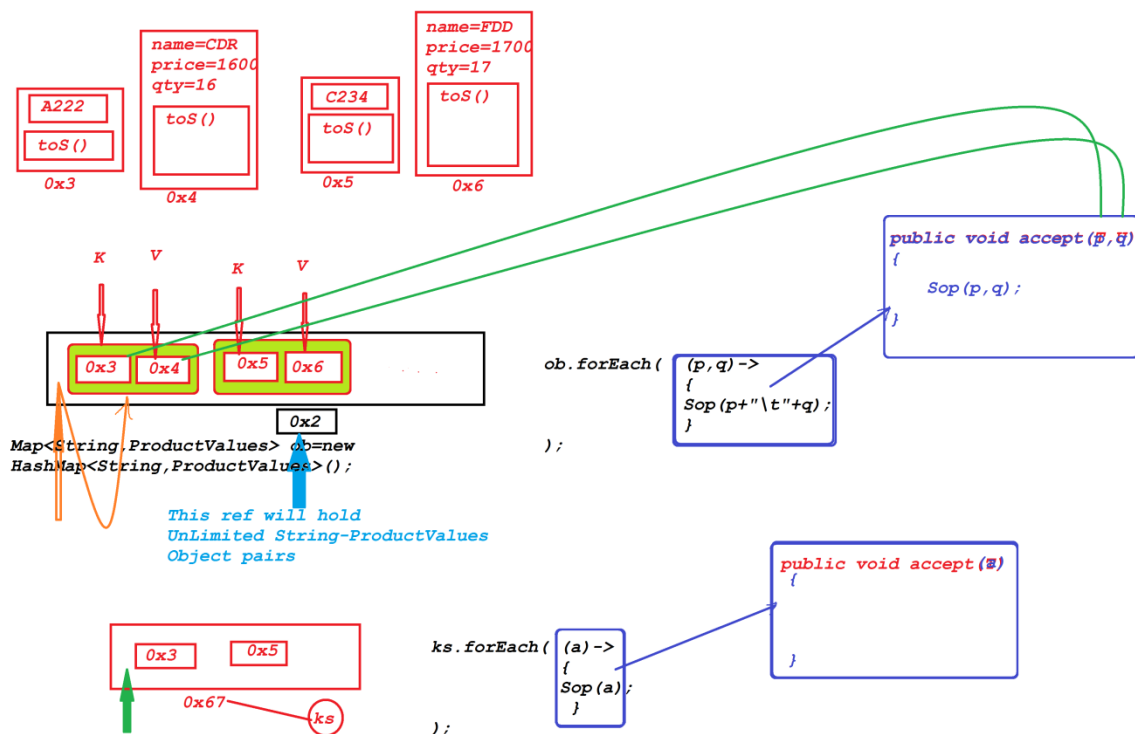
```
    public abstract void accept(T, U);
```

```
    ...
```

```
}
```

```
=====  
==
```

**Diagram:**



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**Ex-program:(Demonstraing entrySet() method)**

**Program : DemoMap2.java**

```
package p2;
import java.util.*;
public class DemoMap2 {
    @SuppressWarnings("removal")
    public static void main(String[] args) {
        LinkedHashMap<Integer,String> ob=
            new LinkedHashMap<Integer,String>();
        ob.put(new Integer(121), new
String("CoreJava"));
    }
}
```

```

        ob.put(new Integer(120), new
String("AdvJava"));
        ob.put(new Integer(127), new
String("Hibernate"));
        ob.put(new Integer(126), new String("Spring"));
        System.out.println("====entrySet()====");
        for(Map.Entry<Integer, String> e :
ob.entrySet())
        {

            System.out.println(e.getKey()+"\t"+e.getValue());
            }//end of loop
        }
}

```

o/p:

====entrySet()====

121 CoreJava

120 AdvJava

127 Hibernate

126 Spring

Diagram:

