# Unit-3
## Static method in Interface in Java

Static Methods in Interfaces are those defined in the interface with the keyword static. Unlike other methods in Interfaces, these static methods contain the complete definition of the function. Since the definition is complete and the method is static, these methods cannot be overridden or changed in the implementation class.

Similar to the Default Method in an Interface, the static method in an interface can be defined in the interface but cannot be overridden in Implementation Classes. To use a static method, the Interface name should be instantiated with it, as it is part of the Interface only.

```java
interface StaticMethod
    {
            static void method1()
                {    System.out.println(" Static Method..............");    }
            void Method2(String str);
    }
public class StaticMethodDemo implements StaticMethod
{
    public static void main(String[] args)
        {
            StaticMethod  sm= new StaticMethodDemo();
            StaticMethod.method1();
            sm.Method2(" Overriden Method()2................");
        }
    public void Method2(String str)
            {    System.out.println(str);    }
}
```

O/P:  Static Method..............
         Overriden Method()2................