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SUB- JAVA LAB MST	

Q 3 Are Static methods/members inherited to derive class? Discuss.

Solution/ans.

The static keyword is used to create methods that will exist independently of any instances created for the class.

Static methods do not use any instance variables of any object of the class they are defined in. Static methods take all the data from parameters and compute something from those parameters, with no reference to variables.

We can inherit static methods in Java.

Example

In the example we are creating a class named **Demo** and, declared a static method named **display()**.

We created another class Sample, extended the Demo class and tried to access the display() method using the sub class object.

```java
class Dem{
    public static void display(){}
}
public class Sample extends Dem {
    public static void display(){
        System.out.println("Hello this is a static method");
    }
    public static void main(String args[]) throws Exception{
        new Sample().display();
    }
}
```

OUTPUT

```
Hello this is a static method
```