



# SNS COLLEGE OF TECHNOLOGY

(An Autonomous Institution)

Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai

Accredited by NAAC-UGC with 'A++' Grade (Cycle III) &

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COIMBATORE-641 035, TAMIL NADU



## UNIT IV INHERITANCE AND POLYMORPHISM

### FINAL METHODS AND CLASSES

The **final keyword** in java is used to restrict the user. The java final keyword can be used in many context. Final can be:

- variable
- method
- class

The **final keyword** can be applied with the variables, a final variable that have no value it is called **blank final variable** or **uninitialized final variable**. It can be initialized in the constructor only. The blank final variable can be static also which will be initialized in the static block only. We will have detailed learning of these.



### JAVA FINAL VARIABLE

If you make any variable as final, you cannot change the value of final variable(It will be constant).

#### Example of final variable

There is a final variable speedlimit, we are going to change the value of this variable, but It can't be changed because final variable once assigned a value can never be changed.



Example of final class

```
final class Bike{ }
```

```
class Honda1 extends Bike{
```

```
    void run(){System.out.println("running safely with 100kmph");}
```

```
    public static void main(String args[]){
```

```
        Honda1 honda= new Honda1();
```

```
        honda.run();
```

```
    }
```

```
}
```

**Test it Now**

Output:Compile Time Error