



**Final Keyword**

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# Final Keyword

- Used to **restrict** the user.
- Makes the features **unchangeable**.
- Final keyword is only applicable to a **variable**, a **method** or a **class**.

# Final Variables

- Variable becomes a constant.
- The value of the variable can not be modified.
- We can not reassign a final variable

```
public final static double PI = 3.14;  
  
public final String dateOfBirth;  
  
public final String firstLangauge;
```

```
public class Test{  
    public static void main(String[] args) {  
        final int number = 100;  
        number = 200; //Compile Error  
    }  
}
```

# Final Methods

- Implementation of the method becomes unchangeable
- Final methods can not be **overridden**

```
public class A{  
    public final void method(){  
        System.out.println("Java Programming");  
    }  
}
```

```
public class Test extends A{  
    @Override  
    public void method(){ //Compile Error  
        System.out.println("Python Programming");  
    }  
}
```

# Final Class

- A class that can not be extended
- The class can not be a super (parent) class

```
public final class Iphone{  
    public void faceTime(){  
        System.out.println("Facetime App");  
    }  
}
```

```
public class Samsung extends Iphone{  
    //Compile Error  
}
```