

# Java Concept 36

- **Constructor** can be made **default**, **private**, **protected** and **public**
- **Except private** constructor for rest all object can be made using **new** key word, outside of a class

```
1 //No Error
2 class laptop
3 {
4     private laptop()
5     {...}
8     laptop l = new laptop();
9 }
```

```
1 //Error
2 class laptop
3 {
4     private laptop()
5     {...}
8 }
9
10 class computer
11 {
12     laptop l = new laptop();
13 }
```

```
1 //Making Constructor default // No Error
2 class Helper
3 {
4     String value = "";
5     Helper(String value)
6     {
7         this.value = value;
8         System.out.println("Default : "+value);
9     }
10 }
11 public class JavaConcept
12 {
13     public static void main(String args[])
14     {
15         Helper obj = new Helper("Constructor");
16     }
17 }
18 }
```

run:  
Default : Constructor

```

1 //Making Constructor public // No Error
2 class Helper
3 {
4     String value = "";
5     public Helper(String value)
6     {
7         this.value = value;
8         System.out.println("Public : "+value);
9     }
10 }
11 public class JavaConcept
12 {
13     public static void main(String args[])
14     {
15         Helper obj = new Helper("Constructor");
16     }
17 }
18 }

```

run:  
Public : Constructor

```

1 //Making Constructor protected // No Error
2 class Helper
3 {
4     String value = "";
5     protected Helper(String value)
6     {
7         this.value = value;
8         System.out.println("Protected : "+value);
9     }
10 }
11 public class JavaConcept
12 {
13     public static void main(String args[])
14     {
15         Helper obj = new Helper("Constructor");
16     }
17 }
18 }

```

run:  
Protected : Constructor

```

1 //Making Constructor private //Error
2 class Helper
3 {
4     String value = "";
5     private Helper(String value)
6     {
7         this.value = value;
8         System.out.println("Private : "+value);
9     }
10 }
11 public class JavaConcept
12 {
13     public static void main(String args[])
14     {
15         Helper obj = new Helper("Constructor");
16     }
17 }
18 }

```

Error - Helper(java.lang.String) has private access in javaconcept.Helper  
at javaconcept.JavaConcept.main