

# Programming in Java

## WEEK - 8

### Week 08 : Programming Assignment 1

```
public static void main(String args[]){  
    int year; // integer type variable to store year  
  
    // An object of Calendar class  
  
    java.util.Calendar current;
```

### Week 08 : Programming Assignment 2

```
interface First{  
    // default method  
    default void show(){  
        System.out.println("Default method implementation of First interface.");  
    }  
}  
  
interface Second{  
    // Default method  
    default void show(){  
        System.out.print("Default method implementation of Second interface.");  
    }  
}  
  
// Implementation class code  
class W08_P2 implements First, Second{  
    // Overriding default show method  
    public void show(){
```

## Week 08: Programming Assignment 3

// Interface ShapeX is created

```
interface ShapeX {  
    public String base = "This is Shape1";  
    public void display1();  
}
```

// Interface ShapeY is created which extends ShapeX

```
interface ShapeY extends ShapeX {  
    public String base = "This is Shape2";  
    public void display2();  
}
```

// Class ShapeG is created which implements ShapeY

```
class ShapeG implements ShapeY {  
    public String base = "This is Shape3";  
    //Overriding method in ShapeX interface  
    public void display1()  
    {  
        System.out.println("Circle: "+ShapeX.base);  
    }  
    public void display2()  
    {  
        System.out.println("Circle: "+ShapeY.base);  
    }  
}
```

## Week 08: Programming Assignment 4

// Import the required package(s) and/or class(es)

```
import java.util.*;
```

```
import static java.lang.System.out;
```

## Week 06 : Programming Assignment 5

// Put the following code under try-catch block to handle exceptions

```
try
```

```
{
```

```
switch (i) {
```

```
    case 0 :
```

```
        int zero = 0;
```

```
        j = 92/ zero;
```

```
        break;
```

```
    case 1:
```

```
        int b[ ] = null;
```

```
        j = b[0] ;
```

```
        break;
```

```
    default:
```

```
        System.out.print("No exception");
```

```
    }
```

```
}
```

```
catch(Exception e)
```

```
{
```

```
    System.out.print(e);
```

```
}
```