# JAVA WEEK 4 solutions

**1assignment sol.**

import java.util.\*;

import static java.lang.System.out;

**2nd assignment sol.**

java.util.Calendar current\_date;

current\_date = java.util.Calendar.getInstance();

year = current\_date.get(current\_date.YEAR);

**3rd assignment solution**

interface ExtraLarge{

String extra = "This is extra-large";

void display();

}

class Large {

public void Print() {

System.out.println("This is large");

}

}

class Medium extends Large {

public void Print() {

System.out.println("This is medium");

super.Print();

}

}

class Small extends Medium {

public void Print() {

System.out.println("This is small");

super.Print();

}

}

**4th assignment solution**

// Call show() of Second interface.

Second.super.show();

// Call show() of First interface.

First.super.show();

**5th assignment solution**

// 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.print("Circle: " + ShapeX.base);

}

// Override method in ShapeY interface

public void display2(){

System.out.println("Circle: " + ShapeY.base);}

}