**Array**

//Start//

1/

package Java;

public class Array {

public static void main(String[] args) {

**int[] arr = new int[6];**

arr[0] = 1;

arr[1] = 2;

arr[2] = 3;

arr[3] = 4;

arr[4] = 5;

System.out.println(arr[3]);

**int[] arr1 = {1,3,4,5,7};**

System.out.println("New way array value "+arr1[3]);

}

}

2/

package Java;

public class Array2 {

public static void main(String[] args) {

//one way of initializing an array//

int a[] = new int[5];

a[0]= 5;

a[1] = 10;

a[2]= 16;

a[3]= 54;

a[4]= 63;

//Another way of initializing an Array//

int b[] = {1,2,3,4,5};

for(int i =0; i<b.length; i++)

{

System.out.println(b[i]);

}

}

}

//End//

**Calender Class**

package Java;

import java.util.Calendar;

public class CalenderClass {

public static void main(String[] args) {

**Calendar cl = Calendar.getInstance();**

**System.out.println(cl.get(Calendar.DATE));**

System.out.println(cl.get(Calendar.AM\_PM));

System.out.println(cl.get(Calendar.DAY\_OF\_WEEK));

System.out.println(cl.get(Calendar.DAY\_OF\_YEAR));

}

}

**Date**

package Java;

import java.util.Date;

import java.text.SimpleDateFormat;

public class DateClass {

public static void main(String[] args) {

**Date d = new Date();**

**System.out.println(d.toString());**

**SimpleDateFormat sdf = new SimpleDateFormat("M/dd/YYYY hh:mm:ss");**

**System.out.println(sdf.format(d));**

}

}

**Interface\*\*\*\*\***

Interface Class 1

package Java;

public interface School {

public void Class1();

public void Class2();

public void Class3();

}

Interface Class 2

package Java;

public interface NewSchool {

public void Class10();

}

Parent Class

package Java;

public class SchoolAll implements School,NewSchool{

public static void main(String[] args) {

School a = new SchoolAll();

a.Class1();

a.Class2();

a.Class3();

SchoolAll b = new SchoolAll();

b.Class4();

NewSchool c = new SchoolAll();

c.Class10();

}

public void Class1() {

System.***out***.println("Class 1 Total 60 students");

}

public void Class2() {

System.***out***.println("Class 2 Total 30 students");

}

public void Class3() {

System.***out***.println("Class 3 Total 50 students");

}

public void Class4()

{

System.***out***.println("Class 4 Total 80 students");

}

public void Class10() {

System.***out***.println("Class 4 Total 120 students");

}

}

**Abstraction\*\*\*\*\***

Abstract class 1

package Java;

public abstract class FlightRule {

public void Seats()

{

System.***out***.println("Must Be 200 Seats");

}

public void pilot()

{

System.***out***.println("Must be 2 pilot and 4 Cabin crew");

}

public abstract void Color();

}

Abstraction 2

package Java;

public class AkashaAir extends FlightRule{

public static void main(String[] args)

{

AkashaAir air = new AkashaAir();

air.Color();

air.pilot();

air.Seats();

}

*@Override*

public void Color() {

System.***out***.println("Based on Company chose must be define");

}

}

**Polimorphism\*\*\*\*\***

Parent

package Java;

public class ParentInharit {

String color = "Red";

public void Model()

{

System.***out***.println("Four wheeler car");

}

public void Musicsystem()

{

System.***out***.println("SONY speeker");

}

public static void main(String[] args) {

}

}

Child Inheritance

package Java;

public class ChildInherit extends ParentInharit{

//Method Overloading

public void getdata(int a, int b)

{

System.***out***.println(a);

System.***out***.println(b);

}

public void getdata(int a)

{

System.***out***.println(a);

}

//End

//Method OverRiding

public void Musicsystem()

{

System.***out***.println("JBL Speeker");

}

//End

public void color()

{

System.***out***.println(color);

}

public static void main(String[] args) {

ChildInherit a = new ChildInherit();

a.Model();

a.Musicsystem();

a.color();

a.getdata(10);

a.getdata(20, 30);

}

}

**Multidimention Array**

package Java;

public class MultiArray {

public static void main(String[] args) {

// one way//

int a[][] = new int[2][3];

a[0][0]=5;

a[0][1]=4;

a[0][2]=3;

a[1][0]=3;

a[1][1]=2;

a[1][2]=1;

//System.out.println(a[1][1]);

//Other way//

int b[][] = {{2,4,3},{3,2,1}};

int min = b[0][0];

//System.out.println(b[1][1]);

for(int i=0;i<2;i++)

{

for(int j=0;j<3;j++)

{

System.***out***.println(b[i][j]);

// Maximum if(b[i][j]>min)

if(b[i][j]<min)

{

min = b[i][j];

}

}

}

System.***out***.println("Minimum number is "+min);

}

}

**Constructor**\*\*\*\*\*

package Java;

public class Constructor {

public Constructor()

{

System.***out***.println("I am constructor");

}

public Constructor(int a, int b)

{

System.***out***.println("I am Parameterzed constructor");

int c= a+b;

System.***out***.println(c);

}

public void getdata()

{

System.***out***.println("Method");

}

public static void main(String[] args) {

//No need to call constructor//

Constructor cn = new Constructor();

Constructor pc = new Constructor(4,5);

//Call Method//

cn.getdata();

}

}

**Super Keyword\*\*\*\*\***

Parent Class

package Java;

public class ParentSuper {

String Name = "Arindom";

public void fname()

{

System.***out***.println("Parent First name");

}

public static void main(String[] args) {

}

}

Child

package Java;

public class ChildSuper extends ParentSuper{

String Name = "Aloke";

public void Namecall()

{

System.***out***.println(Name);

System.***out***.println(super.Name);

}

public void fname()

{

super.fname();

System.***out***.println("Child First name");

}

public static void main(String[] args) {

ChildSuper cs = new ChildSuper();

//it should prefer local rather than Parent

cs.Namecall();

cs.fname();

}

}

**THIS\*\*\*\*\***

package Java;

public class ThisKeyWord {

int a = 5;

ThisKeyWord()

{

int a=6;

System.***out***.println(this.a);

System.***out***.println(a);

}

public static void main(String[] args) {

ThisKeyWord tk = new ThisKeyWord();

}

}