//1) Write an functional interface with lambda expression to pass a set of items and display it using for each loop.//

interface function{

void display(String[] dress);

}

class MainInterface{

public static void main(String...args)

{

String str[]={"Jeans","Formal Pants","Party wear","Sports T-shirts"};

System.out.println("Welcome to Saravana Stores");

function f=(String[] dress)->{

for(String i:dress)

{

System.out.println(i);

}

};

f.display(str);

}

}

3.// abstract class College{

int clgid;

String clgname;

College (int clgid, String clgname)

{

this.clgid=clgid;

this.clgname=clgname;

}

void display(){

System.out.println("College Name :"+clgname+"\t Collge Id : "+clgid);

}

abstract void dept(int students, String deptname);

}

class Anudip extends College{

Anudip(int clgid, String clgname){

super(clgid,clgname);

}

void dept(int students, String deptname)

{

System.out.println("Department Name : " +deptname+"\t No.of Students : "+students);

}

}

class CollegeDept{

public static void main(String... args)

{

Anudip a=new Anudip(1100, "Anna university College");

a.display();

a.dept(45, "BE");

}

}

2.// Write an custom exception where there are set of student names,student id, attendance and his marks display itand throw the Custom exception when student gets less than 60% attendance.

class CusExcep extends Exception{

CusExcep(String str)

{

super(str);

}

static String studentName[]={"roobini","anu","ragu","shalu","Raja"};

static int id[]={2001,2002,2003,2004,2005};

static int marks[]={85,85,75,89,99};

static int att[]={78,89,78,80,27};

}

class MainCusExcep{

public static void main(String...args){

for(int i=0;i<CusExcep.marks.length;i++){

try{

System.out.println("Student Name :"+CusExcep.studentName[i]+"\t"+ "Student Id :"+CusExcep.id[i]+"\t"+"Marks :"+CusExcep.marks[i]+"\t"+ "Attendance :"+CusExcep.att[i]);

if(CusExcep.att[i]<60)

{

throw new CusExcep(CusExcep.studentName[i]+" Secured less than 60 attendance");

}

}

catch(CusExcep e)

{

System.out.println(e.getMessage());

}

}

}

}