***Dt : 16/9/2022***

***Ex : DemoJoiner.java***

***package maccess;***

***import java.util.\*;***

***public class DemoJoiner {***

***public static void main(String[] args) {***

***Scanner s = new Scanner(System.in);***

***System.out.println("====Emp Data of Joining====");***

***StringJoiner sj1 = new StringJoiner("/");***

***sj1.setEmptyValue("No details available....");***

***System.out.println(sj1.toString());//displaying empty object***

***System.out.println("Enter the date:");***

***sj1.add(s.nextLine());***

***System.out.println("Enter the month:");***

***sj1.add(s.nextLine());***

***System.out.println("Enter the Year:");***

***sj1.add(s.nextLine());***

***System.out.println("DOJ : "+sj1.toString());***

***//displaying with data***

***System.out.println("=====Emp Address=====");***

***StringJoiner sj2 = new StringJoiner("-");***

***sj2.setEmptyValue("No Address Available...");***

***System.out.println(sj2.toString());***

***System.out.println("Enter the City:");***

***sj2.add(s.nextLine());***

***System.out.println("Enter the MailId:");***

***sj2.add(s.nextLine());***

***System.out.println("Enter the PhNo:");***

***sj2.add(s.nextLine());***

***System.out.println("Address:"+sj2.toString());***

***sj1.merge(sj2);//Merging two joiner objects***

***System.out.println("====After Merging======");***

***System.out.println(sj1.toString());***

***System.out.println("length:"+sj1.length());***

***s.close();***

***}***

***}***

***o/p:***

***====Emp Data of Joining====***

***No details available....***

***Enter the date:***

***12***

***Enter the month:***

***4***

***Enter the Year:***

***1998***

***DOJ : 12/4/1998***

***=====Emp Address=====***

***No Address Available...***

***Enter the City:***

***Hyd***

***Enter the MailId:***

***v@gmail.com***

***Enter the PhNo:***

***9898981234***

***Address:Hyd-v@gmail.com-9898981234***

***====After Merging======***

***12/4/1998/Hyd-v@gmail.com-9898981234***

***length:36***

***======================================================***

***Ex:***

***Updated program for Student details with result?***

***CheckBranch.java***

***package test;***

***public class CheckBranch {***

***public boolean verify(String br)***

***{***

***return switch(br)***

***{***

***case "CSE" : yield true;***

***case "ECE" : yield true;***

***case "EEE" : yield true;***

***default : yield false;***

***};***

***}***

***}***

***GenerateBranch.java***

***package test;***

***public class GenerateBranch {***

***public String generate(String code){***

***return switch(code) {***

***case "01":yield "CIVIL";***

***case "02":yield "EEE";***

***case "03":yield "MECH";***

***case "04":yield "ECE";***

***case "05":yield "CSE";***

***default:yield null;***

***};***

***}***

***}***

***Percentage.java***

***package test;***

***public class Percentage {***

***public float calculate(int totMarks)***

***{***

***return (float)totMarks/6;***

***}***

***}***

***SResult.java***

***package test;***

***public class SResult {***

***public String generate(float per,boolean p)***

***{***

***if(p)***

***{***

***return "Fail";***

***}***

***else if(per>=70 && per<=100)***

***{***

***return "Distinction";***

***}***

***else if(per>=60 && per<70)***

***{***

***return "FirstClass";***

***}***

***else if(per>=50 && per<60)***

***{***

***return "SecondClass";***

***}***

***else if(per>=35 && per<50)***

***{***

***return "ThirdClass";***

***}***

***else***

***{***

***return "fail";***

***}***

***}***

***}***

***DemoString6.java(Final Edited)***

***package maccess;***

***import java.util.\*;***

***import test.\*;***

***public class DemoString6 {***

***public static void main(String[] args) {***

***Scanner s = new Scanner(System.in);***

***System.out.println("Enter the RollNO:");***

***String rollNo = s.nextLine();***

***int len = rollNo.length();***

***if(len==10)***

***{***

***String code = rollNo.substring(6, 8);***

***GenerateBranch gb = new GenerateBranch();***

***String br = gb.generate(code);***

***if(br==null)***

***{***

***System.out.println("Invalid branch code...");***

***}//end of if***

***else***

***{***

***System.out.println("Enter the stuName:");***

***String name = s.nextLine();***

***System.out.println***

***("Enter the branch:(CIVIL/EEE/MECH/ECE/CSE)");***

***String branch = s.nextLine().toUpperCase();***

***CheckBranch cb = new CheckBranch();***

***if(cb.verify(branch))***

***{***

***if(br.equals(branch))***

***{***

***System.out.println("====Enter 6 Sub Marks====");***

***int i=1;//Initialization***

***int totM=0;***

***boolean p=false;***

***while(i<=6)***

***{***

***System.out.println("Enter Marks of Subject-"+i);***

***int sub = s.nextInt();***

***if(sub<0 || sub>100)***

***{***

***System.out.println("Invalid Marks...");***

***continue;***

***//skip the below lines from the Iteration***

***}***

***if(sub>=0 && sub<=34)//Fail Condition***

***{***

***p=true;***

***}***

***totM = totM+sub;***

***i++;***

***}//end of while***

***System.out.println("rollNo:"+rollNo);***

***System.out.println("Name:"+name);***

***System.out.println("Branch:"+branch);***

***System.out.println("TotMarks:"+totM);***

***Percentage pr = new Percentage();***

***float per = pr.calculate(totM);***

***System.out.println("per:"+per);***

***SResult sr = new SResult();***

***String result = sr.generate(per, p);***

***System.out.println("result:"+result);***

***}//end of if***

***else***

***{***

***System.out.println("RollNo Not-matched with branch");***

***}***

***}//end of if***

***else***

***{***

***System.out.println("Invalid Branch...");***

***}***

***}//end of else***

***}//end of if***

***else***

***{***

***System.out.println("Invalid RollNO...");***

***}***

***s.close();***

***}***

***}***

***========================================================***