/\* Java Assignment

Roll no: 181114009

2nd bsc cs(aided)

Processing given data \*/

package project1;

import java.util.\*;

public class Project1 {

public static void main(String[] args) {

Scanner x=new Scanner(System.in);

int choice,greatest ,b,smallest ,c,g,h

String a=” ”,a1=” “;

int[] PassengerNumbers=new int[15];

int PassengerNumbers[] = {22,119,64,177,21,22,111,87,193,22,11,107,93,162,42};

String [] DepatureTimes=new String[15];

{

String DepatureTimes[]={"Monday : 6.04","Monday : 9.04","Monday : 12.04","Monday : 15.04","Monday : 19.04",

"Tuesday : 6.04","Tuesday : 9.04","Tuesday : 12.04","Tuesday : 15.04","Tuesday : 19.04",

"Wednesday : 6.04","Wednesday : 9.04","Wednesday : 12.04","Wednesday :15.04","Wednesday : 19.04"};

System.out.println(" 1.Display data of train and passengers. \n 2.The most popular train. \n 3.The least popular train. \n 4.which is popular 6.04 or 9.04. \n 5.which is popular Monday : 6.04 or Tuesday : 6.04. \n 6.finding which two trains are popular. \n 7.finding train witrh passengers less than 50. \n 8.the Average Passenger number all days at 12.04.\n 9.fining the average using inputs. \n 10.Quit “)

System.out.println(“ What you want to find (Enter a number 1-10) ");

choice=x.nextInt();

greatest=PassengerNumber[0];

if(choice==1)

{

System.out.println(“Depature time\t Passenger no”);

for(i=0;i<=14;i++)

{

System.out.println(“\t”+DepatureTimes[i]+" \t"+PassengerNumber[i]+"\n");

}

if(choice==2)

{

for(i=0;i<=14;i++)

{

if(PassengerNumber[i]>=greatest)

{

greatest=PassengerNumber[i];}}

b=DepatureTimes[i];

System.out.println("The popular train is “+b+” with “+greatest+” passengers”);

}

if(choice==3)

{

for(i=0;i<=14;i++)

{

if(PassengerNumber[i]<=smallest)

{

smallest=PassengerNumber[i];

c=DepatureTimes[i];

}

}

System.out.println(“The least popular train isC+c+”with”+smallest+”passengers”);

}

if(choice==4)

{

int passen1= PassengerNumber[0]+ PassengerNumber[10]+ PassengerNumber[5];

int passen2= PassengerNumber[1]+ PassengerNumber[6]+ PassengerNumber[11];

if(passen1>passen2)

System.out.println(”Train 6.04 is popular than train 9.04”);

else

System.out.println(”Train 9.04 is popular than train 6.04”);

}

If(choice==5)

{

if(PassengerNumber[0]>PassengerNumber[5])

System.out.println(”Train Monday : 6.04 is popular than train Tuesday : 6.04”);

else if(PassengerNumber[5]>PassengerNumber[0])

System.out.println(”Train Tuesday:6.04 is popular than train Monday:6.04”);

else

System.out.println(”Train Tuesday:6.04 and Monday:6.04 are equally popular”);

}

If(choice==6)

{

System.out.println(“enter any depature time (day:time)”);

a=x.newInt();

System.out.println(“enter any depature time (day:time)”);

a1=x.newInt();

for(i=0;i<14,i++)

{

if (a.equals(DepatureTimes[i])

{ g=i;}

for(i=0;i<14,i++)

{

if (a1.equals(DepatureTimes[i])

{ h=i;}

If(PassengerNumber[g]>PassengerNumber[h])

System.out.println(a+”is popular”);

else

System.out.println(a1+”is popular”);

}

if(choice==7)

{

System.out.println("List of train with passengers less than 50");

for(i=0;i<=14;i++)

{

if (PassengerNumber[i]<50)

{

System.out.println(DepatureTimes[i]+" has "+PassengerNumber[i]);

}

}

}

If(choice==8)

{

System.out.println("The average number of passengers travelling Monday :12.04, Tuesday:12.04 , Wednesday : 12.04 is "+((PassengerNumber[7]+PassengerNumber[2]+PassengerNumber[12])/3));

}

if(choice==9)

{

System.out.println("Enter the day and time (in format Day : time)”);

a=inp.nextInt();

for(i=0;i<14,i++)

{

If (a.equals(Depaturetime[i])

{

System.out.println("The average number of passengers traveling in"+DepatureTimes[i]+" is "+(PassengerNumber[i])/5);

}

If(choice==10)

{

System.exit();

}

default :

System.out.println("Invalid choice");

break;

}

}

}

}