package train;

import java.util.\*;

public class Train

{

public Static void main(String[]args)

{

Scanner input=new Scanner(System.in);

int s,high,highs,g,p6,p9,s1,s2,avg1;

high=pass[0];

String[] depar={"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",};

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

while(1)

{

System.out.println("1.Display day,departure time,number of passengers\n2.The more popular train\n3.The least popular train\n4.whether (6.04) train is more popular than (9.04) train?\n5.whether the (6.04) train of monday is more popular than (6.04) train of tuesday?\n6.Which two train is more popular(mention day and time)\n7.Train with passengers below 50\n8.Average passenger travelling on time (12.04) on days-monday,tueday,wednesday\n9.Enter day and time and fide the average number of passenger\n10.Quit");

System.out.println("Passengers please enter your choice from one to 10 in numbers:");

s=input.nextInt();

Switch(s)

{

case 1:

System.out.println("\*\*\*\*\*\*\*\*To dislay day,departure time,number of passengers\*\*\*\*\*\*\*\*\*");

for(int i=0;i<15:i++)

System.out.println("for all monday,tuesda,wednesday\nDeparture time\t\tNumber of passengers\n"+depar[i]+"\t\t"+pass[i]);

break;

case 2:

System.out.println("\*\*\*\*\*\*More popular train\*\*\*\*\*\*");

for(int i=0;i<15;i++)

{

if(pass[i]>high)

{

high=pass[i];

highs=depar[i]

System.out.println("the more popular train time:"+highs+"with passengers:"+high);

}

}

break;

case 3:

System.out.println("\*\*\*\*\*\*Least popular train\*\*\*\*\*\*");

for(int i=0;i<15;i++)

{

if(pass[i]<high)

{

high=pass[i];

g=depar[i];

System.out.println("The least popular train time:"+g+"passenger:"+high);

}

}

break;

case 4:

System.out.println("\*\*\*\*\*\*\*\*\*8popular train between time 6.04 and 9.04\*\*\*\*\*\*\*");

p6=pass[0]+pass[5]+pass[11];

p9=pass[1]+pass[6]+pass[12];

if(p6>p9)

{

System.out.println("6.04 train is more popular than 9.04 train!!!!");

else

System.out.println("6.04 train in not popular than 9.04 train!!!");

}

break;

case 5:

System.out.println("\*\*\*\*\*\*Whether the 6.04 train of monday is more popular the than the 6.04 train of tuesday\*\*\*\*\*\*");

if(pass[0]>=pass[5])

System.out.println("6.04 train of monday is more popular than 6.04 train of tuesday");

else

System.out.println("6.04 train of tuesday is more popular than 6.04 train of monday");

break;

case 6:

String[] name=new String[1];

String[] num=new String[1];

System.out.println("Enter departure day and time as(day:time)");

name[1]=input.nextLine();

System.out.println("Enter departure day and time as(day:time)");

num[1]=input.nextInt();

for(int i=0;i<15;i++)

{

if(name.compareTo(depar[i])

{

s1=i;

}

for(int j=0;j<15;j++)

{

if(num.compareTo(depar[i])

{

s2=i;

}

}

if(pass[i]<pass[j])

System.out.println("the most popular trian is:"+s2);

else

System.out.println("the most popular trian is:"+s1);

}

break;

case 7:

System.out.println("\*\*\*\*\*\*\*Train with passenger below 50! \*\*\*\*\*\*\*\*");

for(int i=0;i<15;i++)

{

if(pass[i]<=50)

System.out.println("Train with passengers below 50:"+depar[i]);

else

System.out.println("sorry there is no train with passenger below 50!!!!");

}

break;

case 8:

System.out.println("Average number of passengers on train time 12.04(monday,tuesday,wednesday)");

avg1=pass[2]+pass[7]+pass[12]/3;

System.out.println("The average passenger on 12.04 train :"+avg1);

break;

case 9:

String[] value=new String[1];

System.out.println("Passengers pleas enter the day and time of the train to find the average number of passenger:");

value[1]=input.nextLine();

a=value[1];

for(int j=0;j<15;j++)

{

if(a.compareTo(depar[i])

{

System.out.println("Average passengers of day:time"+value[1]+"is"+pass[i]/5);

}

}

break;

case 10:

System.out.println("THANK YOU....HAVE A GOOD JOURNEY");

System.exit();

default:

System.out.println("sorry!!!!passenger..the entered choice is wrong try again");

break;

}

}

}

}