```java
package ticket;
import java.util.Scanner;

public class Ticket
{
    public static void main( String[] args )
    {

        String[] time ={"Mon\t6:04", "Mon\t9:04", "Mon\t12:04", "Mon\t15:04", "Mon\t19:04",
"Tue\t6:04", "Tue\t9:04", "Tue\t12:04", "Tue\t15:04", "Tue\t19:04", "Wed\t6:04", "Wed\t9:04",
"Wed\t12:04", "Wed\t15:04", "Wed\t19:04"};
        int[] nums = { 22,119,64,177,21,22,111,87,193,22,11,107,93,162,42};
        Scanner train = new Scanner(System.in);
        while (true){

        System.out.println("Enter your choice");
        System.out.println("1. Display the information of all trains\n2. Find the most popular
train\n3. Find the least popular train\n4. Compare the popularity of 6:04 train and 9:04 train\n5.
Compare the popularity of 6:04 train on Monday and Tuesday\n6. Compare the popularity of any
two trains of your choice\n7. Display the list of trains with passengers below 50\n8. Calculate the
average number of passengers on 12:04 train\n9.Display the number of passengers on any train
of your choice\n10. Quit");
        int input = train.nextInt();



        if (input == 1){
        System.out.println("Day\tDeparture Time\tNumber of passengers");
        for (int i=0;i<time.length;i++)
            System.out.println(time[i]+"\t\t"+nums[i]);
        }
        else if (input == 2){
        int poptrain = nums[0];
        String pop = time[0];
        for (int i=0; i<time.length; i++){
            if (nums[i]>poptrain){
                poptrain = nums[i];
                pop= time[i];
            }
        }
        System.out.println("The most popular train is running at "+pop+" with "+poptrain+"
number of passengers");
        }
        else if (input ==3){
        int lesstrain = nums[0];
        String least = time[0];
        for (int i=0; i<time.length; i++){
            if (nums[i]<lesstrain){
                lesstrain = nums[i];
                least = time[i];
            }
        }
        System.out.println("The least popular train is running at "+least+" with "+lesstrain+"
number of passengers");
        }
        else if (input ==4){
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            if(nums[0]>nums[1])
                System.out.println("Train 6:04 is more popular than Train 9:04 on Monday");
            else
                System.out.println("Train 6:04 is less popular than Train 9:04 on Monday");
            if(nums[5]>nums[6])
                System.out.println("Train 6:04 is more popular than Train 9:04 on Tuesday");
            else
                System.out.println("Train 6:04 is less popular than Train 9:04 on Tuesday");
            if(nums[10]>nums[11])
                System.out.println("Train 6:04 is more popular than Train 9:04 on Wednesday");
            else
                System.out.println("Train 6:04 is less popular than Train 9:04 on Wednesday");
            }
            else if (input==5){
            if (nums[0]>nums[5])
                System.out.println("6:04 Train is more popular on Monday than Tuesday");
            else if (nums[0]<nums[5])
                System.out.println("6:04 Train is more popular on Tuesday than Monday");
            else
                System.out.println("6:04 Train is equally popular on Monday and Tuesday");
            }
            else if (input ==6){
            System.out.println("Enter the serial numbers of two trains to be compared");
            System.out.println("S.No.\tDay\tDeparture Time");
            for (int i=0;i<time.length;i++)
                System.out.println(i+"\t"+time[i]);
            int u=train.nextInt();
            int v=train.nextInt();
            if (nums[u]>nums[v])
                System.out.println(time[u]+" is more popular");
            else if (nums[u]<nums[v])
                System.out.println(time[v]+" is more popular");
            else
                System.out.println("Both trains are equally popular");
            }
            else if (input ==7){
            System.out.println("The list of trains with below 50 passengers");
            System.out.println("Day\tDeparture Time\tNumber of passengers");
            for (int i=0; i<time.length; i++){
                if (nums[i]<50){
                    System.out.println(time[i]+"\t\t"+nums[i]);
                }

            }
            }
            else if (input ==8){
            System.out.println("The average number of passengers on 12:04 trains is
"+((nums[2]+nums[7]+nums[12])/3.0));
            }
            else if (input ==9){
            System.out.println("繭 ter the serial number of train for which the number of passengers
info is needed");
            System.out.println("S. No.\tDay\tDeparture Time");
            for (int i=0;i<time.length;i++)
                System.out.println(i+"\t"+time[i]);
            int z = train.nextInt();
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            System.out.println("The number of passengers travel on "+time[z]+" is "+nums[z]);
            }
            else if (input == 10)
                System.exit(0);
            else
                System.out.println("Invalid choice!");
            }
    }
}
```