Instructions:

Total:- 05 Marks

1. Solve any four questions.
2. Input should be from user.
3. Indentation and comments mandatory.
4. Each program 1 Marks and 1 Marks Comments.

Q1. Create a class called "Player" with members jersyno, name, run, and matches.
Write a java program to store the input data for five player, display their all player information, and delete record in specific index then display record ascending orders by matches.

Q2. Write a java Program to calculate overtime pay of 5 employees. The overtime pay rate is Rs.50/- (per Hour). Daily shift hour time is only 8 hours.

Note- for a week only 40 hours of working are allowed.
1. Create class Employee with data member ID, Name, total working, salary, overtime
Set Information by using a parameterized constructor and create a display Information() method to display all information with salary.
2. Create another class name as OverTime with method setEmployee(Employee emp[ ]) and void calculateOvertime() to calculate overtime.

Q3. create class name as ArrayOperation with function name as setArray() and create its Two child classes name as Unique , MergeArray. We need to inherit the ArrayOperation class in Unique , MergeArray and create function and write the logic.

1. Unique Class : -
Input array elements: 1, 2, 3, 5, 1, 5, 20, 2, 12, 10
Output : All unique elements in the array are: 3, 20, 12, 10

2. MergeArray class :-
Input -First Array :- 1 2 3 4 5
         Second Array :- 6 7 8 9 10
Output - 1 10 2 9 3 8 4 7 5 6

Q4. Write a java program using constructor overloading with class name as ArrayCons.

ArrayCons (int a [],int value): this constructor is used for accept array as parameter and pass value and search value in array.

ArrayCons(int a[]): this function will accept array as parameter and find maximum value from array.

Q5. Write a java program to create a class name as StringApp to accept charchater array and implement the logic.

> **Input : - Indian**
> **Search Value : - d**
> **Output : - n i**

Q6. Write a java program to create a class name as Employee using pojo class to accept id, name, email, sal and create method name as getFunction() to implement the logic.

Note : - Display Second Highest Salary Employee Record.