

SFCC Coding Test (Core Java & MySQL)

Q1. This question carries 20 marks

```
public class EmployeeDemo {  
    public static void main(String[] args) {  
        Employee e=new Employee("ss","IE22IT023","IT",50000);  
        System.out.println(d.getEmployeeTaxSlab(e));  
        EmployeeDetails d=new EmployeeDetails();  
        System.out.println(d.getEmployeeInfo("Jimmy.RyanIDIE22IT023DTITCTC8L"));  
    }  
}
```

```
public class Employee{  
    String empName;  
    String empID;  
    String empDept;  
    int salary;  
  
    public Employee(String empName, String empID, String empDept, int salary) {  
        super();  
        this.empName = empName;  
        this.empID = empID;  
        this.empDept = empDept;  
        this.salary = salary;  
    }  
}
```

@Override

```
public String toString() {
```

```
    return "Employee [empName=" + empName + ", empID=" + empID + ", empDept=" + empDept + ",  
    salary=" + salary
```

```
    + "];
```

```
}
```

```
}
```

```
public class EmployeeDetails{
```

```
    /* method has to return Employee object extracting
```

```
        data from the string it receives
```

```
    */
```

```
    public Employee getEmployeeInfo(String str) {
```

```
        //TO DO
```

```
    }
```

```
    /* method has to return "High" if salary is greater than 10Lakhs,
```

```
        return "Medium" if salary is in the range of 8 Lakhs and 10 Lakhs,
```

```
        return "Low" if salary is in the range of 5 Lakhs and 8 Lakhs,
```

```
        else if salary less than 5 Lakhs, return "None"
```

```
    */
```

```
    public String getEmployeeTaxSlab(Employee e) {
```

```
        //TO DO
```

```
    }
```

```
}
```

```
}
```

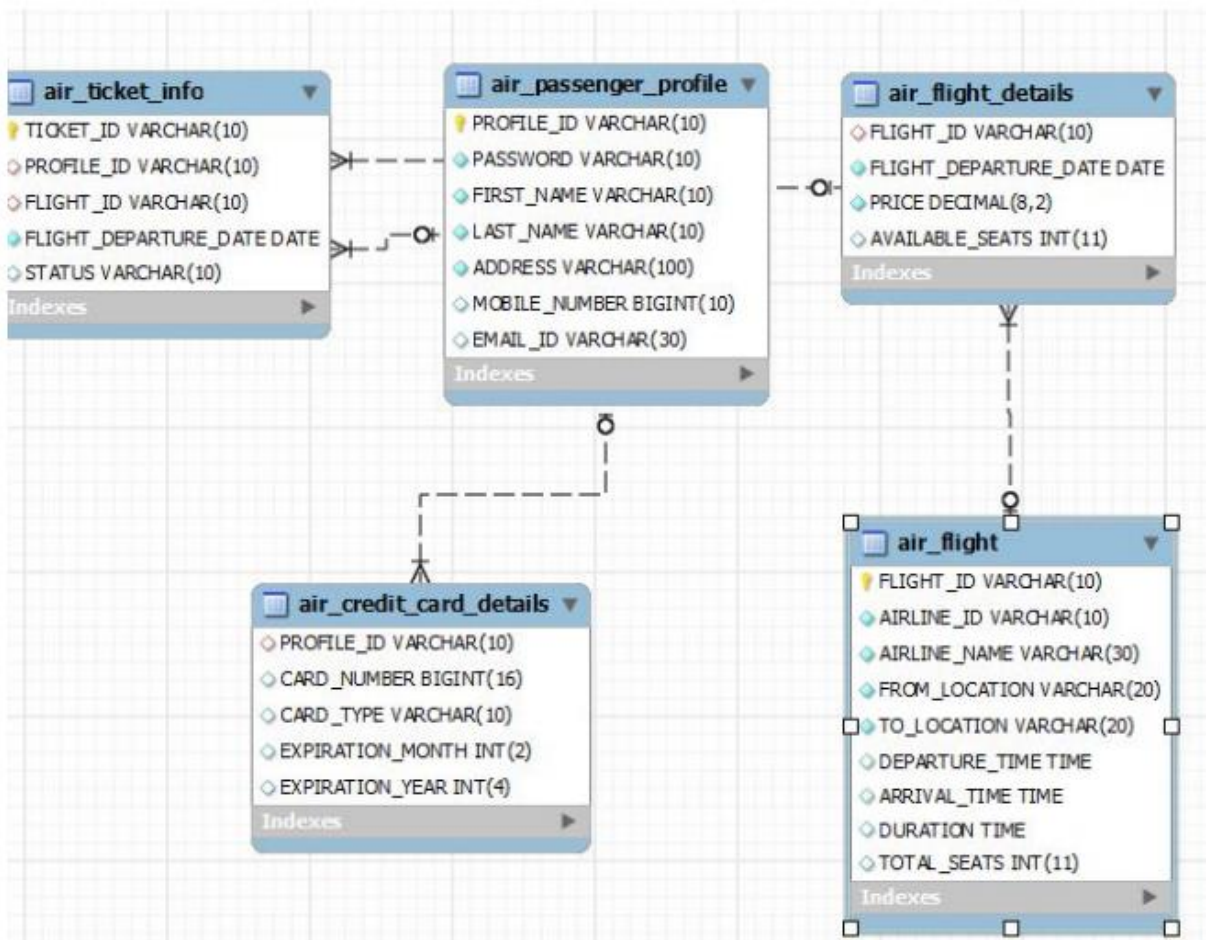
Q 2. This Question carries 10 Marks

Create a method which accepts an integer array, reverse the numbers in the array and returns the resulting array in sorted order.

Method Name	getSorted
Method Description	Return the resulting array after reversing the numbers and sorting it
Argument	int []
Return Type	int
Logic	Accept an integer array, reverse the numbers in the array, sort it and return the resulting array. Hint Convert the numbers to String to reverse it

Q 3. This question carried 10 marks

Write the solution for the following query based on the given below ER diagram.



Write a query to display the average monthly ticket cost for each flight in ABC Airlines. The query should display the Flight_Id, From_location, To_location, Month Name as "Month_Name" and average price as "Average_Price"

Display the records sorted in ascending order based on flight id and then by Month Name.