

# SQL CODE CHALLENGE

## CODE CHALLENGE 1 [RDBMS Select Statements](#)

QUES - Patient Appointment Details

```
select P.PATIENT_ID, P_FIRST_NAME,P_AGE,APP_NUMBER,APP_DATE
from PATIENT P
join APPOINTMENT A ON P.PATIENT_ID=A.PATIENT_ID
where APP_REASON = 'FEVER'
order by 1
```

## CODE CHALLENGE 2 [RDBMS DDL & DML](#)

QUES [Movie-Modify the datatype set2](#)

```
ALTER TABLE CUSTOMER_MASTER MODIFY COLUMN PHONE_NO INT(10);
```

QUES - Hostel-Insert Student Records set2

```
insert into STUDENT_DETAILS
(STUDENT_ID,STUDENT_NAME,DEPARTMENT,DOB,ADDRESS,PHONE_NO,EMAIL_ID)
values
('S1001','Varsha','ECE','1999-06-12','CHENNAI','9845712345','varsha123@gmail.com'),
('S1002','William','ECE','1999-02-04','CALCUTTA','6845712345','william123@gmail.com'),
('S1003','Basha','EEE','1999-06-14','DELHI','9945712345','basha222@gmail.com'),
('S1004','Catherine','CSE','1998-08-16','DELHI','6785712345','cathu123@gmail.com'),
('S1005','Kate','ECE','1999-06-30','BANGALORE','7685712345','katedd@gmail.com'),
('S1006','Michel','ECE','1998-06-04','COIMBATORE','6645712345','michel000@gmail.com');
```

## CODE CHALLENGE 3 [Functions & SubQueries](#)

QUES - Patient Appointment details Based On Month

```
select distinct P.PATIENT_ID, P_FIRST_NAME,P_AGE,ADDRESS,CONTACT_NUMBER
from PATIENT P
join APPOINTMENT A ON P.PATIENT_ID=A.PATIENT_ID
where APP_DATE between '2019-06-01' and '2019-06-30'
order by 1
```

#### CODE CHALLENGE 4 [Function-Scalar & Aggregate](#)

**QUES – Minimum & Maximum Discount Amount**

```
select min(DISCOUNT_AMOUNT) MIN_DISCOUNT, max(DISCOUNT_AMOUNT) MAX_DISCOUNT  
from DISCOUNT_MASTER
```

## CODE CHALLENGE HTML5 CSS3 JAVASCRIPT

#### Code Challenge 2 - [JavaScript](#)

**Ques – DAC BANK – AVAIL LOAN**

```
<!DOCTYPE html>  
  
<html>  
  
  <head>  
  
    <title>DAC BANK - AVAIL LOAN</title>  
  
    <style>  
  
      body{  
  
        background-color: #FFAACC;  
  
      }  
  
      h1{  
  
        color: #770080;  
  
        font-family: cursive;  
  
        text-align: center;  
  
      }  
  
      div{  
  
        color:#770080;  
  
        font-weight: bold;  
  
      }  
  
    </style>  
  
    <script>  
  
      function func()  
  
      {  
  
        var name = document.getElementById("customerName").value;  
  
        var loan = document.getElementById("loanAmount").value;
```

```
        document.getElementById("result").innerHTML = "Thank you " +name +". Your Loan Amount is " +loan;
    }
</script>
</head>
```

```
<body>
<h1>DAC BANK - AVAIL LOAN</h1>
<form name="myForm" method="POST" onsubmit="func();return false">
```

```
    <table>
    <tr>
    <td>
        <label> Customer Name </label>
    </td>
    <td>
        <input type="text" id="customerName" name="customerName" pattern="[A-Z a-z]+" required>
    </td>
    </tr>
```

```
    <tr>
    <td>
        <label> Address </label>
    </td>
    <td>
        <textarea name="customerAddress" rows="5" cols="20"></textarea>
    </td>
    </tr>
```

```
    <tr>
    <td>
        <label> Gender </label>
    </td>
    <td>
        <input type="radio" name="gender"> <label>Male</label>
        <input type="radio" name="gender"> <label>Female</label>
    </td>
    </tr>
    <tr>
```

```
<td>

    <label> Email ID </label>

</td>

<td>

    <input type="email" name="customerEmail">

</td>
</tr>
<tr>

<td>

    <label> Mobile Number </label>

</td>

<td>

    <input type="text" name="customerMobileNumber" pattern="[7-9]{1}[0-9]{9}" maxlength="10">

</td>
</tr>
<tr>

<td>

    <label> Date of Birth </label>

</td>

<td>

    <input type="date" name="dob">

</td>
</tr>
<tr>

<td>

    <label> Loan Type </label>

</td>

<td>

    <input list="loan" name="loanType" autocomplete="on">

    <datalist id="loan">

        <option value="Vehicle">

        <option value="Home">

        <option value="Education">

    </datalist>

</td>
```

```
</tr>
<tr>
  <td>
    <label> Loan Amount </label>

  </td>
  <td>
    <input type="text" id="loanAmount" name="loanAmount" placeholder="Enter the Amount" required>
  </td>
</tr>
<tr>
  <td>
    <label> Tenure </label>

  </td>
  <td>
    <input type="number" name="loanTenure" min="1" max="5">
  </td>
</tr>
<tr>
  <td>
    <input type="submit" name="submit" value="Avail Loan">
  </td>
  <td>
    <input type="reset" name="reset" value="reset">
  </td>
</tr>
</table>
</form>
<div id="result"> </div>
</body>
</html>
```

