

Project Database Design

Stored Procedures:

```
CREATE DEFINER=`root`@`localhost` PROCEDURE `get_distinctCountry`()  
BEGIN  
    select distinct country from customers  
    order by country;  
END
```

Procedure with input parameters:

1. Stored procedure allows you to give the input parameters with three keywords IN,OUT,INOUT
2. IN keyword - input value to be supplied
3. OUT keyword - output to be returned

```
/*  
    Input : CustomerNumber  
    Output : All the customer details  
*/
```

```
call get_customerDetails(103);
```

```
CREATE DEFINER=`root`@`localhost` PROCEDURE `get_customerDetails`(  
    IN Id int  
)  
BEGIN  
    select * from customers where customerNumber = Id;  
END
```

Task:

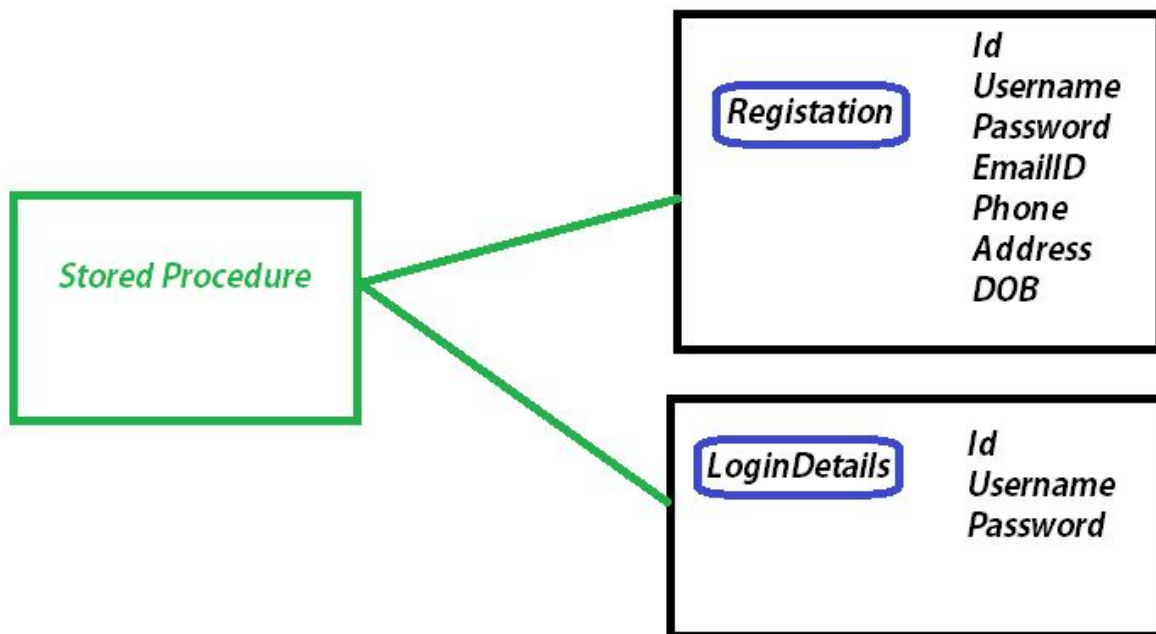
```
/* Customer details whose belongs to country 'USA' and names of the  
customers should need to start from a */
```

```

CREATE DEFINER=`root`@`localhost` PROCEDURE `get_CustomersbyCountryandName` (
  IN x varchar(100)
)
BEGIN
  select * from customers where country = x and customerName like 'a%';
END

```

Task:



```

create table Registration(
    Id int auto_increment,
    Username varchar(100) not null,
    Password varchar(100) not null,
    EmailID varchar(100) not null,
    phone bigint,
    Address varchar(300),
    DateofBirth datetime,
    primary key(Id)
);

```

```

create table LoginDetails(
    Id int auto_increment,
    Username varchar(100) not null,
    Password varchar(100) not null,
    primary key(Id)
);

```

```

CREATE DEFINER='root'@'localhost' PROCEDURE `insert_Userdetails`(
    IN UN varchar(100),
    IN PWD varchar(100),
    IN EID varchar(100),
    IN Mobile bigint,
    In a_address varchar(100),
    IN a_DOB date
)
BEGIN
    insert into Registration(Username,Password,EmailID,phone,Address,DateofBirth)
    values(UN,PWD,EID,Mobile,a_address,a_DOB);
    insert into LoginDetails(Username,Password) values(UN,PWD);
END

/* Call the proc */
call insert_Userdetails('Anil','anil','anil@dhyanaahita.org',998874455,'Hyd','2020/01/01');

/* Test for the records */
select * from Registration;
select * from logindetails;

```

```

CREATE DEFINER='root'@'localhost' PROCEDURE `test_Login`(
  IN a_username varchar(100),
  IN a_password varchar(100)
)
BEGIN
  /*Declare a variable */
  Declare flag INT default 0;
  set flag = (select Id from logindetails where Username = a_username and Password = a_password);
  select flag;
END

```

It means the username and password is correct so that it returns the ID value.

The screenshot shows a SQL execution window with the following code:

```

55 • call test_Login('Anil','anil');
56
57
58

```

Below the code, the 'Result Grid' is displayed with the following data:

flag
1

It means that the username and password is incorrect.

The screenshot shows a SQL execution window with the following code:

```

54
55 • call test_Login('Anil','anilkumar');
56
57
58

```

Below the code, the 'Result Grid' is displayed with the following data:

flag
NULL

Task: Update the Password (registration and logindetails) then it notify that record is updated.