# **Assignment 4**

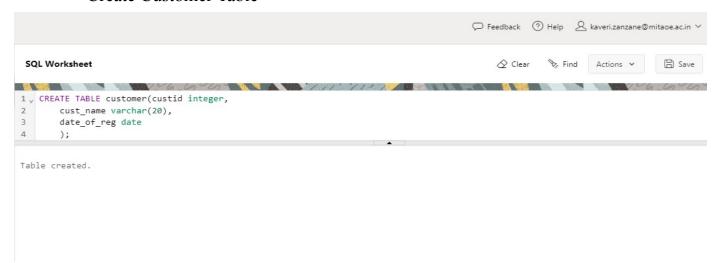
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#### Statement:

Create a table Customer(custid,cust\_name,date\_of\_registration). Write a procedure that will convert the first letter of the name of the customer to capital. Display the changed name.

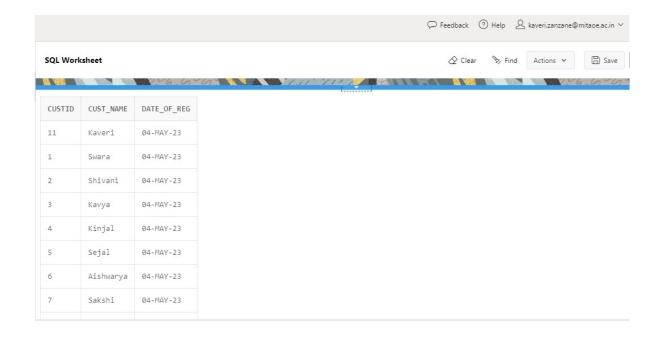
Create Customer Table



Insert record in Customer table

```
    □ Feedback ② Help ② kaveri.zanzane@mitaoe.ac.in ∨

  SQL Worksheet
                                                                                                                                                Actions 🗸
126.626
 1 v CREATE TABLE customer(custid integer,
 2
          cust_name varchar(20),
 3
           date_of_reg date
 4
                      insert into customer values (11, 'Kaveri', current_timestamp);
                     insert into customer values (01, 'Swara', current_timestamp);
insert into customer values (02, 'Shivani', current_timestamp);
insert into customer values (03, 'Kavya', current_timestamp);
 6
 7
 8
                      insert into customer values (04, 'Kinjal', current_timestamp);
                      insert into customer values (05, 'Sejal', current_timestamp);
10
                      insert into customer values (06, 'Aishwarya', current_timestamp);
insert into customer values (07, 'Sakshi', current_timestamp);
11
12
                      insert into customer values (08, 'Arya', current_timestamp);
                      insert into customer values (09, 'Tanvi', current_timestamp);
insert into customer values (10, 'Shravni', current_timestamp);
14
15
                      insert into customer values (12, 'kaveri', current_timestamp);
16
17 select*from customer;
```



## • Create procedure

```
CREATE OR REPLACE PROCEDURE capitalize_cust_name(p_custid IN customer.custid%TYPE)

IS

v_cust_name customer.cust_name%TYPE;

BEGIN

SELECT cust_name INTO v_cust_name FROM customer WHERE custid = p_custid;

v_cust_name := INITCAP(v_cust_name); -- capitalize the first letter

UPDATE customer SET cust_name = v_cust_name WHERE custid = p_custid;

DBMS_OUTPUT.PUT_LINE('Customer name changed to: ' || v_cust_name);

END;

Procedure created.
```

# Call procedure

```
29
30 begin
31 capitalize_cust_name(10);
32 end;

Statement processed.
Customer name changed to: Shravni

2023 Oracle · Live SQL 23
```

Write a function that returns the department name to which the employee belongs to. Input to the function is employee id.

```
36
37 <sub>v</sub>
      CREATE OR REPLACE FUNCTION get_dept_name(p_eid IN emp.eid%TYPE)
      RETURN dept.dname%TYPE
39
40
      v_dname dept.dname%TYPE;
41 V BEGIN
      SELECT dname
42
      INTO v_dname
43
44 FROM dept
      WHERE dept.did = (SELECT did FROM Emp WHERE
45
46
      eid = p_eid);
47
      RETURN v_dname;
48
      END;
 Function created.
                                                                   Feedback @ Help & kaveri.zan:
 SQL Worksheet
                                                                       Find
                                                                                     Actions
50
51
53 V DECLARE
54 v_dname dept.dname%TYPE;
55 v BEGIN
56 v_dname := get_dept_name(1001);
57 DBMS_OUTPUT.PUT_LINE('Employee belongs to department: ' || v_dname);
58 END;
Statement processed.
Employee belongs to department: Sales
QUERIES:
1 CREATE TABLE CUSTOMER:
  CREATE TABLE customer(custid integer,
  cust name varchar(20),
  date of reg date
  );
```

## 2 INSERT DATA INTO TABLE:

```
insert into customer values (11, 'Kaveri', current_timestamp); insert into customer values (01, 'Swara', current_timestamp); insert into customer values (02, 'Shivani', current_timestamp); insert into customer values (03, 'Kavya', current_timestamp); insert into customer values (04, 'Kinjal', current_timestamp); insert into customer values (05, 'Sejal', current_timestamp); insert into customer values (06, 'Aishwarya', current_timestamp); insert into customer values (07, 'Sakshi', current_timestamp); insert into customer values (08, 'Arya', current_timestamp); insert into customer values (10, 'Shravni', current_timestamp); insert into customer values (10, 'Shravni', current_timestamp); insert into customer values (12, 'kaveri', current_timestamp);
```

#### **3 CREATE PROCEDURE:**

CREATE OR REPLACE PROCEDURE capitalize\_cust\_name(p\_custid IN customer.custid%TYPE)

IS

v cust name customer.cust name%TYPE;

**BEGIN** 

SELECT cust\_name INTO v\_cust\_name FROM customer WHERE custid = p\_custid;

v\_cust\_name := INITCAP(v\_cust\_name); -- capitalize the first letter UPDATE customer SET cust\_name = v\_cust\_name WHERE custid = p\_custid; DBMS\_OUTPUT\_LINE('Customer name changed to: ' || v\_cust\_name); END;

### **4 CALL PROCEDURE:**

begin
capitalize\_cust\_name(10);
end;

### **5 CREATE FUNCTION:**

CREATE OR REPLACE FUNCTION get\_dept\_name(p\_eid IN emp.eid%TYPE) RETURN dept.dname%TYPE

IS

v dname dept.dname%TYPE;

**BEGIN** 

SELECT dname

INTO v dname

FROM dept

WHERE dept.did = (SELECT did FROM Emp WHERE

```
eid = p_eid);
RETURN v_dname;
END;

6 CALL FUNCTION:
DECLARE
v_dname dept.dname%TYPE;
BEGIN
v_dname := get_dept_name(1001);
DBMS_OUTPUT_LINE('Employee belongs to department: ' || v_dname);
```

END;