

## Assignment 4

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**Roll No: 242**

**Batch: C4**

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

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SQL WorksheetClearFindActionsSave

```
1 CREATE TABLE customer(custid integer,
2   cust_name varchar(20),
3   date_of_reg date
4 );
```

Table created.

- Insert record in Customer table

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SQL WorksheetClearFindActionsSave

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

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SQL Worksheet

Clear

Find

Actions

Save

CUSTID	CUST_NAME	DATE_OF_REG
11	Kaveri	04-MAY-23
1	Swara	04-MAY-23
2	Shivani	04-MAY-23
3	Kavya	04-MAY-23
4	Kinjal	04-MAY-23
5	Sejal	04-MAY-23
6	Aishwarya	04-MAY-23
7	Sakshi	04-MAY-23

- Create procedure

```

18
19
20 v CREATE OR REPLACE PROCEDURE capitalize_cust_name(p_custid IN customer.custid%TYPE)
21 IS
22   v_cust_name customer.cust_name%TYPE;
23 v BEGIN
24   SELECT cust_name INTO v_cust_name FROM customer WHERE custid = p_custid;
25   v_cust_name := INITCAP(v_cust_name); -- capitalize the first letter
26   UPDATE customer SET cust_name = v_cust_name WHERE custid = p_custid;
27   DBMS_OUTPUT.PUT_LINE('Customer name changed to: ' || v_cust_name);
28 END;

```

Procedure created.

- Call procedure

```

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

```

Statement processed.  
Customer name changed to: Shravni

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

```
36
37 v CREATE OR REPLACE FUNCTION get_dept_name(p_eid IN emp.eid%TYPE)
38 RETURN dept.dname%TYPE
39 IS
40 v_dname dept.dname%TYPE;
41 v BEGIN
42 SELECT dname
43 INTO v_dname
44 FROM dept
45 WHERE dept.did = (SELECT did FROM Emp WHERE
46 eid = p_eid);
47 RETURN v_dname;
48 END;
```

Function created.

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SQL Worksheet

Clear

Find

Actions

```
50
51
52
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 (09, 'Tanvi', 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.PUT_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.PUT_LINE('Employee belongs to department: ' || v_dname);  
END;
```