

## **EXP 9: Creation of Procedures, Functions and Package with Cursor.**

### **AIM:**

#### **Creating a Procedure:**

```
CREATE OR REPLACE PROCEDURE greetings1 AS BEGIN
dbms_output.put_line('Welcome to ComputerStore');

END;

begin

    greetings1;

end;
```

---

```
Welcome to ComputerStore

Statement processed.
```

---

```
DECLARE a number; b number; c number;

begin

findMax(20,100,c);

dbms_output.put_line(' Maximum of (20, 100) : ' || c);

end;
```

---

```
Maximum of (20, 100) : 100
```

```
Statement processed.
```

## **EXP 9: Creation of Procedures, Functions and Package with Cursor.**

select \* from customer;

NAME	ADDRESS	PHONE	ITEMID	CUSTOMERID
vicky	xyz	94488957362	1	5
palani	ABC	9335854845	2	5

### **Creating a Function:**

```
CREATE OR REPLACE FUNCTION totalCustomers
```

```
RETURN number IS total number(2) := 0;
```

```
BEGIN SELECT count(*) into total FROM customer;
```

```
RETURN total; END;
```

### **Calling a Function:**

```
DECLARE c number(2); BEGIN c := totalCustomers();
```

```
dbms_output.put_line('Total no. of Customers: ' || c); END;
```

---

```
Total no. of Customers: 2
```

```
Statement processed.
```

select \* from employee;

AGE	EMPID	EMPSAL	EMPNAME	EMPADDRESS	SERVICE
18	2	80000	jeeva	xyz	repair
18	3	70000	sakthi	xyz	repair
18	1	60000	vicky	xyz	repair

## **EXP 9: Creation of Procedures, Functions and Package with Cursor.**

```
CREATE OR REPLACE FUNCTION maxsal RETURN number IS total
number(10) := 0; BEGIN SELECT max(empsal) into total FROM employee;
RETURN total; END;
```

```
DECLARE c number(10); BEGIN c := maxsal();
dbms_output.put_line('employee max salary: ' || c); END;
```

```
employee max salary: 80000
```

```
Statement processed.
```

### **Package specification:**

```
CREATE OR REPLACE PACKAGE emp_sal AS PROCEDURE find_sal(c_id
employee.empid%type); END emp_sal
```

```
Package created.
```

```
0.02 seconds
```

### **Package body or definition:**

```
CREATE OR REPLACE PACKAGE BODY emp_sal AS PROCEDURE
find_sal(c_id employee.empid%TYPE) IS c_sal employee.empsal%TYPE;
```

```
BEGIN
```

```
SELECT empsal INTO c_sal FROM employee WHERE empid=c_id;
dbms_output.put_line('Salary: ' || c_sal);
```

```
END find_sal; END emp_sal;
```

---

```
Package Body created.
```

```
0.04 seconds
```

## **EXP 9: Creation of Procedures, Functions and Package with Cursor.**

AGE	EMPID	EMPSAL	EMPNAME	EMPADDRESS	SERVICE
18	2	80000	jeeva	xyz	repair
18	3	70000	sakthi	xyz	repair
18	1	60000	vicky	xyz	repair

```
DECLARE code employee.empid%type := 3; BEGIN emp_sal.find_sal(code);  
END;
```

```
Salary: 70000
```

```
Statement processed.
```