DATABASE MANAGEMENT SYSTEMS
LAB EVALUATION-2(ODD)
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CLASS- 2CO16
DATE- 18 APR 2023

Q1) Create a PL/SQL subprogram to check if input number is prime or not for livesql

```
  declare
 n number;
 i number;
 temp number;
 begin
 n := 10;
 i := 2;
 temp := 1;
 for i in 2..n/2
   loop
     if mod(n, i) = 0
     then
       temp := 0;
       exit;
     end if;
   end loop;

   if temp = 1
   then
     dbms_output.put_line(n || ' is prime.');
   else
     dbms_output.put_line(n || ' is not prime.');
   end if;
 end;
```

```
Statement processed.
13 is prime.
```

Q2) Create a PL/SQL pgm to declare a cursor with name emp_cursor to select employee name, salary, hire_date, from hr.employee table.
Process each row from cursor and if the salary is greater than 12000 and hiredate is greater than 1 Feb 1988, then display the employee name,
salary and hire_date.

```
DECLARE
  CURSOR emp_cursor IS
    SELECT first_name || ' ' || last_name AS employee_name, salary, hire_date
    FROM hr.employees;

  emp_record emp_cursor%ROWTYPE;
BEGIN
  OPEN emp_cursor;

  LOOP
    FETCH emp_cursor INTO emp_record;
    EXIT WHEN emp_cursor%NOTFOUND;

    IF emp_record.salary > 12000 AND emp_record.hire_date > TO_DATE('01-FEB-1988', 'DD-MON-YYYY') THEN
      DBMS_OUTPUT.PUT_LINE('Employee Name: ' || emp_record.employee_name || ', Salary: ' || emp_record.salary || ', Hire Date
    END IF;
  END LOOP;

  CLOSE emp_cursor;
END;
/
```

Statement processed.
Employee Name: Steven King, Salary: 24000, Hire Date: 17-JUN-2003
Employee Name: Neena Kochhar, Salary: 17000, Hire Date: 21-SEP-2005
Employee Name: Lex De Haan, Salary: 17000, Hire Date: 13-JAN-2001
Employee Name: Nancy Greenberg, Salary: 12008, Hire Date: 17-AUG-2002
Employee Name: John Russell, Salary: 14000, Hire Date: 01-OCT-2004
Employee Name: Karen Partners, Salary: 13500, Hire Date: 05-JAN-2005
Employee Name: Michael Hartstein, Salary: 13000, Hire Date: 17-FEB-2004
Employee Name: Shelley Higgins, Salary: 12008, Hire Date: 07-JUN-2002