EXPERIMENT-11

AIM: Write a PL/SQL program for finding the given number is prime number or not.

SOURCE CODE:

```
C##547>SET SERVEROUT ON
C##547>SET VERIFY OFF
C##547>DECLARE
  2  n number;
  3  i number;
  4  temp number;
  5  BEGIN
  6  n:=&n;
  7  i:=2;
  8  temp:=1;
  9  for i in 2..n/2
 10  loop
 11  if mod(n,i) = 0
 12  then
 13  temp:=0;
 14  exit;
 15  end if;
 16  end loop;
 17  if temp = 1
 18  then
 19  DBMS_OUTPUT.PUT_LINE(n||' is a prime number');
 20  else
 21  DBMS_OUTPUT.PUT_LINE(n||' is not a prime number');
 22  end if;
 23  end;
 24  /
Enter value for n: 78
78 is not a prime number

PL/SQL procedure successfully completed.

C##547>/
Enter value for n: 3
3 is a prime number

PL/SQL procedure successfully completed.
```

CONCLUSION: The pl/sql program is successfully executed.