EXPERIMENT 2.1

NAME – V.P.S

SECTION/GROUP- 111(A)   BRANCH- BE-CSE

UID- 21 BCS1111

SEMESTER- 3RD

SUBJECT CODE- 21CSH-214

SUBJECT NAME- DATABASE MANAGEMENT SYSTEM LAB

QUESTION 2:

Write a PL/SQL program to identify whether a character entered by user is letter or digit.

CODE:

```
DECLARE

   get_ctr CHAR(1) := '&input_a_character';

BEGIN

  IF ( get_ctr >= 'A'

     AND get_ctr <= 'Z' )

    OR ( get_ctr >= 'a'

       AND get_ctr <= 'z' ) THEN

   dbms_output.Put_line ('The given character is a letter');

  ELSE

   dbms_output.Put_line ('The given character is not a letter');
```

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```
    IF get_ctr BETWEEN '0' AND '9' THEN

      dbms_output.Put_line ('The given character is a number');

    ELSE

      dbms_output.Put_line ('The given character is not a number');

    END IF;

  END IF;

END;
```

OUTPUT

```
 3   BEGIN
 4      IF ( get_ctr >= 'A'
 5          AND get_ctr <= 'Z' )
 6        OR ( get_ctr >= 'a'
 7            AND get_ctr <= 'z' ) THEN
 8       dbms_output.Put_line ('The given character is a letter');
 9      ELSE
10       dbms_output.Put_line ('The given character is not a letter');
11
12        IF get_ctr BETWEEN '0' AND '9' THEN
13          dbms_output.Put_line ('The given character is a number');
14        ELSE
15          dbms_output.Put_line ('The given character is not a number');
16        END IF;
17      END IF;
18   END;
19   /
```

Sample Output:

```
SQL> /
Enter value for input_a_character: m
old   2:     get_ctr CHAR(1) := '&input_a_character';
new   2:     get_ctr CHAR(1) := 'm';
The given character is a letter

PL/SQL procedure successfully completed.
```