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P18. WRITE A PROGRAM TO PRINT THE FOLLOWING DESIGN.

```
1
12
123
1234
12345
```

```
Declare
i number ;
j number;
n number;
Begin
n := &n;
for i in 1..n loop
    for j in 1..i loop
        dbms_output.put(j);
    end loop;
    dbms_output.put_line(' ');
end loop;
end;
/
```

```
Enter value for n: 5
old 6: n:=&n;
new 6: n:=5;
```

P19. WRITE A PROGRAM TO DISPLAY NUMBERS OF THE FORM

```
0 0 0 0
1 2 3 4 5
2 4 6 8 10
3 6 9 12 15
4 8 12 16 20
5 10 15 20 25
```

```
SQL> SET SERVEROUTPUT ON;
SQL> DECLARE
I NUMBER;
J NUMBER ;
K NUMBER;
BEGIN
FOR I IN 0 .. 5 LOOP
FOR J IN 1..5 LOOP
K := I*J;
DBMS_OUTPUT.PUT(K || ' ');
```

```

END LOOP;
DBMS_OUTPUT.PUT_LINE (' ');
END LOOP;
END;
/
0 0 0 0
1 2 3 4 5
2 4 6 8 10
3 6 9 12 15
4 8 12 16 20
5 10 15 20 25

```

PL/SQL procedure successfully completed.

P20. WRITE A PL/SQL CODE TO ACCEPT THE TEXT AND REVERSE THE GIVEN TEXT. AND CHECK THE TEXT IS PALINDROME OR NOT.

```

SQL> DECLARE
  G varchar(20);
  R varchar(20);
  Begin
  G := '&g';
  dbms_output.put_line('THE GIVEN TEXT : '|| G);
  for i in REVERSE 1.. Length (G) loop
  R := R || substr(G,i,1);
  end loop;
  dbms_output.put_line('THE REVERSED TEXT : '||R);
  IF R=G THEN
  dbms_output.put_line('THE GIVEN TEXT IS PALINDROME ');
  ELSE
  dbms_output.put_line('THE GIVEN TEXT IS NOT PALINDROME ');
  END IF;
  end;
/

```

```

Enter value for g: hello
old 5: G := '&g';
new 5: G := 'hello';
THE GIVEN TEXT : hello
THE REVERSED TEXT : olleh
THE GIVEN TEXT IS NOT PALINDROME

```

PL/SQL procedure successfully completed.

```
SQL> /
```

```

Enter value for g: malayalam
old 5: G := '&g';

```

```
new 5: G := 'malayalam';  
THE GIVEN TEXT : malayalam  
THE REVERSED TEXT : malayalam  
THE GIVEN TEXT IS PALINDROME
```

PL/SQL procedure successfully completed.