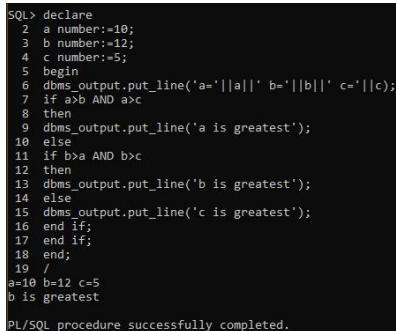


Ex.no 9**Pl/sql procedure**

1. Write a sql procedure program to find the largest of given three numbers.(Hint: A,B,C as IN parameter and Large as OUT parameter)

```
SQL> declare
2  a number:=10;
3  b number:=12;
4  c number:=5;
5  begin
6  dbms_output.put_line('a'||a||' b'||b||' c'||c);
7  if a>b AND a>c
8  then
9  dbms_output.put_line('a is greatest');
10 else
11 if b>a AND b>c
12 then
13 dbms_output.put_line('b is greatest');
14 else
15 dbms_output.put_line('c is greatest');
16 end if;
17 end if;
18 end;
19 /
```



```
SQL> declare
2  a number:=10;
3  b number:=12;
4  c number:=5;
5  begin
6  dbms_output.put_line('a'||a||' b'||b||' c'||c);
7  if a>b AND a>c
8  then
9  dbms_output.put_line('a is greatest');
10 else
11 if b>a AND b>c
12 then
13 dbms_output.put_line('b is greatest');
14 else
15 dbms_output.put_line('c is greatest');
16 end if;
17 end if;
18 end;
19 /
a=10 b=12 c=5
b is greatest
PL/SQL procedure successfully completed.
```

2. Write a sql procedure program to find whether the given number is prime or not. (Hint: use P as IN OUT parameter)

```
SQL> declare
2  n number;
3  i number;
4  flag number;
5
6  begin
7  i:=2;
8  flag:=1;
9  n:=&n;
10
```

```

11 for i in 2..n/2
12 loop
13 if mod(n,i)=0
14 then
15 flag:=0;
16 exit;
17 end if;
18 end loop;
19
20 if flag=1
21 then
22 dbms_output.put_line('prime');
23 else
24 dbms_output.put_line('not prime');
25 end if;
26 end;
27 /

```

```

SQL> declare
2  n number;
3  i number;
4  flag number;
5
6  begin
7  i:=2;
8  flag:=1;
9  n:=&n;
10
11 for i in 2..n/2
12 loop
13 if mod(n,i)=0
14 then
15 flag:=0;
16 exit;
17 end if;
18 end loop;
19
20 if flag=1
21 then
22 dbms_output.put_line('prime');
23 else
24 dbms_output.put_line('not prime');
25 end if;
26 end;
27 /
Enter value for n: 13
old 9: n:=&n;
new 9: n:=13;
prime
PL/SQL procedure successfully completed.

```

3. Write a sql procedure program to find the even or odd of a given number(Hint: Use A as IN OUT parameter)

```

SQL> declare
2  n number:=&n;
3  begin
4  if mod(n,2)=0
5  then
6  dbms_output.put_line('number is even');
7  else
8  dbms_output.put_line('number is odd');
9  end if;
10 end;
11 /

```

```
SQL> declare
  2  n number:=&n;
  3  begin
  4  if mod(n,2)=0
  5  then
  6  dbms_output.put_line('number is even');
  7  else
  8  dbms_output.put_line('number is odd');
  9  end if;
 10 end;
 11 /
Enter value for n: 5
old 2: n number:=&n;
new 2: n number:=5;
number is odd

PL/SQL procedure successfully completed.
```