

1)declare

basic number;

gross number;

DA number;

HRA number;

PF number;

Begin

Basic:=4500;

DA:=Basic*(40/100);

HRA:=Basic*(20/100);

PF:=Basic*(12/100);

Gross:=Basic+DA+HRA-PF;

dbms_output.put_line(' the gross salary is '||Gross);

end;

```

SQL> nedha 48
SP2-0042: unknown command "nedha 48" - rest of line ignored.
SQL> declare
  2  basic number;
  3  gross number;
  4  DA number;
  5  HRA number;
  6  PF number;
  7  Begin
  8  Basic:=4500;
  9  DA:=Basic*(40/100);
 10  HRA:=Basic*(20/100);
 11  PF:=Basic*(12/100);
 12  Gross:=Basic+DA+HRA-PF;
 13  dbms_output.put_line(' the gross salary is '||Gross );
 14  end;
 15
 16 /
the gross salary is 6660

```

PL/SQL procedure successfully completed.

```

2) DECLARE
    n    number;
    temp_sum number;
    r    number;
BEGIN
    n := &n;
    temp_sum := 0;

    WHILE n <> 0 LOOP
        r := MOD(n, 10);
        temp_sum := temp_sum + r;
        n := trunc(n / 10);
    END LOOP;
    dbms_output.Put_line('sum of dgits=' || temp_sum);
END;

```

```

SQL> nedha 48
SP2-0042: unknown command "nedha 48" - rest of line ignored.
SQL> DECLARE
2      n          number;
3      temp_sum number;
4      r          number;
5 BEGIN
6      n := &n;
7      temp_sum := 0;
8
9      WHILE n <> 0 LOOP
10         r := MOD(n, 10);
11         temp_sum := temp_sum + r;
12         n := trunc(n / 10);
13     END LOOP;
14     dbms_output.Put_line('sum of dgits=' || temp_sum);
15 END;
16 /
Enter value for n: 456
old 6:      n := &n;
new 6:      n := 456;
sum of dgits=15

PL/SQL procedure successfully completed.

```

3) Declare

```

salary number;

```

Begin

```

salary:=&salary;

```

```

IF salary<3000 THEN

```

```

salary:=4000;

```

```

END IF;

```

```

dbms_output.put_line(' the salary is '||salary);

```

```

end;

```

```
SQL> nedha 48
SP2-0042: unknown command "nedha 48" - rest of line ignored.
```

```
SQL> Declare
 2  salary  number;
 3  Begin
 4  salary:=&salary;
 5  IF salary<3000 THEN
 6  salary:=4000;
 7  END IF;
 8  dbms_output.put_line(' the salary is '||salary);
 9  end;
10  /
```

Enter value for salary: 2700

old 4: salary:=&salary;

new 4: salary:=2700;

the salary is 4000

PL/SQL procedure successfully completed.

```
4) DECLARE
    n number(3);
    s number(3):=0;
    t number(3);
BEGIN
    n:=&n;
    t:=n;
    while t>0 loop
        s:=s+power((t mod 10),3);
        t:=trunc(t/10);
    endl loop;
    if(s=n) then
        dbms_output.put_line('The Given Number ' || n || ' is an Armstrong Number');
    else
        dbms_output.put_line('The Given Number ' || n || ' is Not an Armstrong Number');
    end if;
END;
```

```

SQL> nedha 48
SP2-0042: unknown command "nedha 48" - rest of line ignored.
SQL> DECLARE
  2   n number(3);
  3   s number(3):=0;
  4   t number(3);
  5 BEGIN
  6   n:=&n;
  7   t:=n;
  8   while t>0 loop
  9     s:=s+power((t mod 10),3);
10     t:=trunc(t/10);
11   end loop;
12
13   if(s=n) then
14     dbms_output.put_line('The Given Number ' || n || ' is an Armstrong Number');
15   else
16     dbms_output.put_line('The Given Number ' || n || ' is Not an Armstrong Number');
17   end if;
18 END;
19 /
Enter value for n: 153
old  6:  n:=&n;
new  6:  n:=153;
The Given Number 153 is an Armstrong Number

```

PL/SQL procedure successfully completed.

5) declare

```

      n number;
      fact number:=1;
      i number;

begin
      n:=&n;

      for i in 1..n
      loop
      fact:=fact*i;
      end loop;
      dbms_output.put_line('factorial='||fact);
end;
/

```

```

SQL> nedha 48
SP2-0042: unknown command "nedha 48" - rest of line ignored.
SQL> declare
  2  n number;
  3  fact number:=1;
  4  i number;
  5
  6  begin
  7  n:=&n;
  8
  9  for i in 1..n
10  loop
11  fact:=fact*i;
12  end loop;
13  dbms_output.put_line('factorial='||fact);
14  end;
15  /
Enter value for n: 4
old  7: n:=&n;
new  7: n:=4;
factorial=24

PL/SQL procedure successfully completed.

```

6) declare

```

        str1 varchar2(50):='&str';
        str2 varchar2(50);
        len number;
        i number;
begin
        len:=length(str1);
        for i in reverse 1..len
        loop
        str2:=str2 || substr(str1,i,1);
        end loop;
        dbms_output.put_line('Reverse of String is:'||str2);
end;
/

```

```

SQL> nedha 48
SP2-0042: unknown command "nedha 48" - rest of line ignored.
SQL> declare
  2  str1 varchar2(50):='&str';
  3  str2 varchar2(50);
  4  len number;
  5  i number;
  6  begin
  7  len:=length(str1);
  8  for i in reverse 1..len
  9  loop
 10  str2:=str2 || substr(str1,i,1);
 11  end loop;
 12  dbms_output.put_line('Reverse of String is:'||str2);
 13  end;
 14  /
Enter value for str: abc
old  2: str1 varchar2(50):='&str';
new  2: str1 varchar2(50):='abc';
Reverse of String is:cba

PL/SQL procedure successfully completed.

```

7)DECLARE

```

n number;

m number;

temp number:=0;

rem number;

BEGIN

  n :=&n;

  m :=n;

  while n>0

  loop

    rem := mod(n,10);

    temp := (temp*10)+rem;

    n := trunc(n/10);

  end loop;

  if m = temp

```

```

        then

            dbms_output.put_line('Palindrome');

        else

            dbms_output.put_line('Not Palindrome');

        end if;

END;

```

```

SQL> nedha 48
SP2-0042: unknown command "nedha 48" - rest of line ignored.
SQL>
SQL> DECLARE
  2     n number;
  3     m number;
  4     temp number:=0;
  5     rem number;
  6 BEGIN
  7     n :=&n;
  8     m :=n;
  9     while n>0
 10     loop
 11         rem := mod(n,10);
 12         temp := (temp*10)+rem;
 13         n := trunc(n/10);
 14     end loop;
 15     if m = temp
 16     then
 17         dbms_output.put_line('Palindrome');
 18     else
 19         dbms_output.put_line('Not Palindrome');
 20     end if;
 21 END;
 22 /
Enter value for n: 123321
old  7:   n :=&n;
new  7:   n :=123321;
Palindrome

```

PL/SQL procedure successfully completed.

8) create table even(num number);

Declare

```
N number;
```

Begin

```
For N in 10..50 loop
```

```
    If mod(N,2)=0 then
```

```
        Insert into even values(N);
```


End if;

End loop;

End;

99

```
SQL> nedha 48
SP2-0042: unknown command "nedha 48" - rest of line ignored.
SQL> select * from even;
```

NUM
10
12
14
16
18
20
22
24
26
28
30

NUM
32
34
36
38
40
42
44
46
48
50

21 rows selected.