///PRE-REQ

SQL> SET SERVEROUTPUT ON;

SQL> begin

2 dbms\_output.put\_line('Testing output');

3 end;

4 /

Testing output

//1

SQL> declare

2 n number:=407;

3 s number:=0;

4 r number;

5 len number;

6 m number;

7

8 begin

9 m:=n;

10

11 len:=length(to\_char(n));

12

13 while n>0

14 loop

15 r:=mod(n,10);

16 s:=s+power(r,len);

17 n:=trunc(n/10);

18 end loop;

19

20 if m=s

21 then

22 dbms\_output.put\_line('The Given Number ' || m || ' is an Armstrong Number');

23 else

24 dbms\_output.put\_line('The Given Number ' || m || ' is not an Armstrong Number');

25 end if;

26

27 end;

28 /

-----output for 1

The Given Number 407 is an Armstrong Number

PL/SQL procedure successfully completed.

//2

SQL> declare

2

3 -- declare variable num , len

4 -- and revnum of datatype varchar

5 num varchar2(5):='12345';

6 len number(2);

7 revnum varchar2(5);

8

9

10 begin

11

12 -- Here we find the length of string

13 len := length(num);

14

15 -- here we starting a loop from max len to 1

16 for i in reverse 1.. len

17 loop

18

19 -- assigning the reverse number in revnum

20 revnum := revnum || substr(num,i,1);

21 end loop;

22

23 -- Print the Result

24 dbms\_output.put\_line('given number ='|| num);

25 dbms\_output.put\_line('reverse number ='|| revnum);

26 end;

27 /

-------output--------

given number =12345

reverse number =54321

PL/SQL procedure successfully completed.

//3

SQL> DECLARE

2 -- declare variable str , len

3 -- and str1 of datatype varchar

4 str VARCHAR(20) := 'CODECHEF';

5 len NUMBER;

6 str1 VARCHAR(20);

7 BEGIN

8 -- Here we find the length of string

9 len := Length(str);

10

11 -- here we starting a loop from max len to 1

12 FOR i IN REVERSE 1.. len LOOP

13 -- assigning the reverse string in str1

14 str1 := str1

15 || Substr(str, i, 1);

16 END LOOP;

17

18 dbms\_output.Put\_line('Reverse of string is '

19 || str1);

20 END;

21 /

---------------output--------------

Reverse of string is FEHCEDOC

PL/SQL procedure successfully completed.

SQL> spool off;