

Experiment 2.2

Name: XYZ

UID: 21BCS2211

Section: 222-A

Semester: 3

Subject: Database Management System (21CSH-214)

Aim:

1. >Write a program in PL/SQL to print factorial of a number.
2. >Write a program in PL/SQL to check whether a number is prime or not using goto statement with for loop.

Code:

```
/* XYZ  
 21BCS1111  
 */ declare n  
number; fac  
number:=1; i  
number;  
  
begin n:=5;  
for i in 1..n  
loop  
fac:=fac*i;  
end loop;  
  
dbms_output.put_line('factorial='||fac); end; /
```

1	/* Vishesh Pratap Singh	
2	21BCS2233	
3	*/	
4	declare	
5	n number;	
6	fac number:=1;	
7	i number;	
8		
9	begin	
10	n:=5;	
11		
12	for i in 1..n	
13	loop	
14	fac:=fac*i;	
15	end loop;	
16		
17	dbms_output.put_line('factorial=' fac);	
18	end;	
19	/	
20		

2.>

```

/* XYZ
21BCS1222
*/ declare n
number; flag
number:=1; i
number;

begin n:=34; for i in
2..n/2 loop if n mod
i =0 then flag:=0;
exit; end if; end
loop; if flag=1 then
    dbms_output.put_line(n|| ' is prime');
else dbms_output.put_line(n ||' is not prime');

end if;

end; /

```

```
1  /* Vishesh Pratap Singh
2  21BCS2233
3  */
4  declare
5  n number;
6  flag number:=1;
7  i number;
8
9  begin n:=34;
10 for i in 2..n/2
11 loop
12 if n mod i =0 then
13 flag:=0;
14 exit;
15 end if;
16 end loop;
17 if flag=1 then
18 dbms_output.put_line(n|| ' is prime');
19 else
20 dbms_output.put_line(n || ' is not prime');
21 end if;
22 end;
23 /
24
```

Outputs:

1.>

```
Statement processed.
factorial=120
```

2.>

```
Statement processed.  
34 is not prime
```