PL-SQL Written Assignment

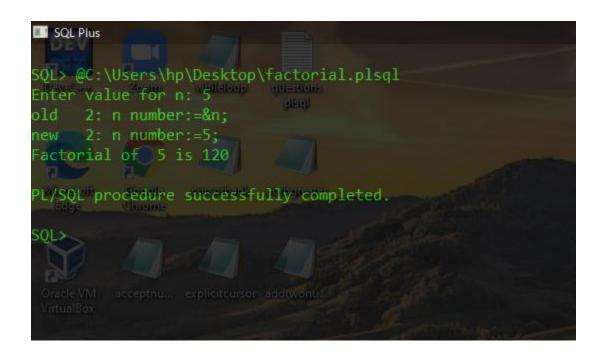
Questions

1. Write a PL/SQL program to find the largest of three numbers.

```
declare
a number:=&a;
b number:=&b;
c number:=&c:
begin
if(a>b and a>c) then
dbms_output.put_line('Largest number is: '||a);
elsif(b>c) then
dbms_output.put_line('Largest number is: '||b);
else
dbms_output.put_line('Largest number is: '||c);
end if;
end;
SQL Plus
SQL*Plus: Release 11.2.0.1.0 Production on Sun Dec 13 20:06:32 2020
Copyright (c) 1982, 2010, Oracle. All rights reserved.
Enter user-name: system
Enter password:
Connected to:
Oracle Database 11g Enterprise Edition Release 11.2.0.1.0 - Production
With the Partitioning, OLAP, Data Mining and Real Application Testing options
SQL> set serveroutput on
SQL> @C:\Users\hp\Desktop\largestnumber.plsql
old 2: a number:=&a;
new 2: a number:=3;
EnterNivaluector b:aZacircle accountup
old CHE3: b number:=&b;
new 3: b number:=7;
old 4: c number:=&c;
PL/SQL procedure successfully completed.
```

2. Write a PL/SQL program to find the factorial of a number using for loop.

```
declare
n number:=&n;
i number(10);
f number(10);
begin
f:=1;
for i in 1..n
loop
f:=f*i;
end loop;
dbms_output.put_line('Factorial of '||n||' is '||f);
end;
/
```



3. Write a PL/SQL program to find the sum of the first n natural numbers.

```
declare
n number:=&n;
s number(10);
i number(10);
begin
s:=0;
for i in 1..n
loop
s:=s+i;
end loop;
dbms_output.put_line('Sum of first '||n|| ' numbers is ' ||s );
end;
//
```



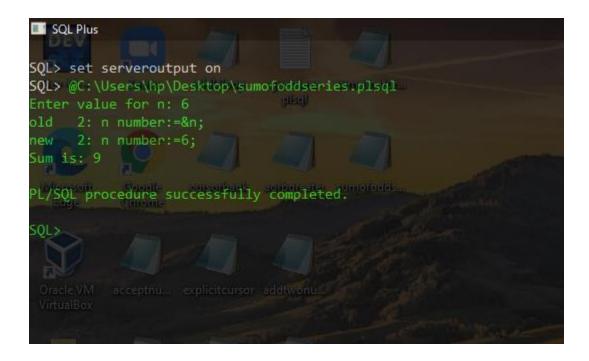
```
4. Write a PL/SQL program to find the sum of the even series of natural numbers using while loop.
declare
n number(10);
i number(10);
s number(10);
begin
n := &n;
i := 0;
s := 0;
while i !=n
loop
if mod(i,2) = 0 then
s := s+i;
end if;
i := i+1;
end loop;
dbms_output.put_line('The sum is: '||s);
end;
```

```
SQLY QC:\Users\hp\Desktop\sumofevennumbers.plsql
Enter value for n: 6 windeloop questions sumoinatur...
old 6: n := &n; plsql
new 6: n := 6;
The sum is: 6

PL/SQL procedure successfully completed.
Microsoff Gregle subsolinant appropriate sumoinates...
SQLY

Oracle VM acceptnum explicitcursor additionum dayofweek
VirtualBox
```

```
5.Write a PL/SQL program to find the sum of the odd series of natural numbers.
declare
n number:=&n;
s number(10);
i number(10);
begin
s:=0;
for i in 1..n
loop
if(mod(i,2)<>0) then
s:=s+i;
end if;
end loop;
dbms_output.put_line('Sum is: '||s);
end;
//
```



6.Write a PL/SQL program to display the days of the week using the case structure.

```
declare
n number :=&n;
begin
case n
When 1 then
dbms_output.put_line('1st day of week is Monday');
When 2 then
dbms_output.put_line('2nd day of week is Tuesday');
When 3 then
dbms_output.put_line('3rd day of week is Wednesday');
When 4 then
dbms_output.put_line('4th day of week is Thursday');
When 5 then
dbms_output.put_line('5th day of week is Friday');
When 6 then
dbms_output.put_line('6th day of week is Saturday');
When 7 then
dbms_output.put_line('7th day of week is Sunday');
dbms_output.put_line('Invalid day');
end case;
end;
```

```
SQLY QC:\Users\hp\Desktop\dayofweek.plsql
Enter: value for n: 3 Windeloop question: summinatur...
old 2: n number :=&n; qlsql
new 2: n number :=3;
3rd day of week is Wednesday

PL/SQL procedure successfully completed.
Nikerson: Seegle automant somegrester summinatur...

Cage throme

Oracle VM acceptnu... explicit cursor additionu... dayofweek

VirtualBox
```