

Advance Database Management Systems Lab

Experiment- 10

To understand the concepts of function and procedure in PL/SQL

Aryan Mohan

500092142

Batch- 2

```
create database LabExperiment10;
```

```
use LabExperiment10;
```

--1) Write a procedure to accept the value of A, B & C display which is greater.

```
Create procedure comp_no(@A INTEGER,@B INTEGER,@C INTEGER )
```

```
as begin
```

```
BEGIN
```

```
IF @A>@B AND @A>@C
```

```
PRINT 'GREATEST IS A';
```

```
ELSE IF @B>@C AND @B>@A
```

```
PRINT 'GREATEST IS B';
```

```
ELSE
```

```
PRINT 'GREATEST IS C';
```

```
END;
```

```
END
```

```
EXECUTE comp_no 100, 200, 50;
```

Output:

```
GREATEST IS B
```

```
Completion time: 2023-04-26T18:06:04.5349247+05:30
```

----2) Using procedure create a simple loop that display message “Welcome to PL/SQL Programming” 20 times

```
create procedure display_message(@message varchar(200) )
```

```
as begin
```

```
DECLARE @i integer;
```

```
set @i=1;
```



```

as begin
declare @f1 INTEGER=0, @f2 INTEGER=1,@f3 INTEGER,@i
INTEGER=3,@len INTEGER;
print 'First two number'
print @f1;
print @f2;
print 'fibonacci series is';
while(@i<=@len)
begin
set @f3=@f1+@f2;
print @f3
set @f1=@f2;
set @f2=@f3;
set @i=@i+1;
end;
END;

execute Fibonacci 5;

```

Output:

```

First two number
0
1
fibonacci series is
1
2
3
First two number
0
1
fibonacci series is
1
2
3
First two number
0
1
fibonacci series is
1
2
3
First two number

```

--5) Write a procedure to find the sum of first N numbers

```

create procedure sum_number(@n integer)
as BEGIN
declare @i integer, @sum integer = 0;
set @i = 1;
while (@i <= @n)
begin

```

```
set @sum=@sum+@i
set @i=@i+1
end
print 'sum of first @n numbers'
print @sum
END
```

```
EXECUTE sum_number 5;
```

Output:

[illegible]