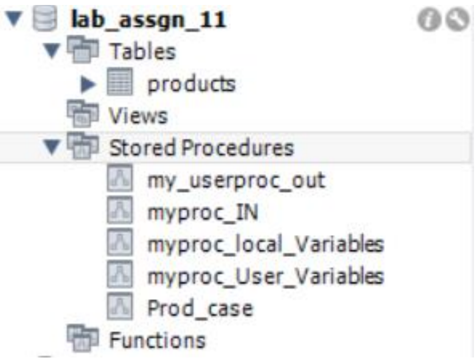
ASSIGNMENT 11

Name : Akshay Jain

Roll no.: 17BCS002

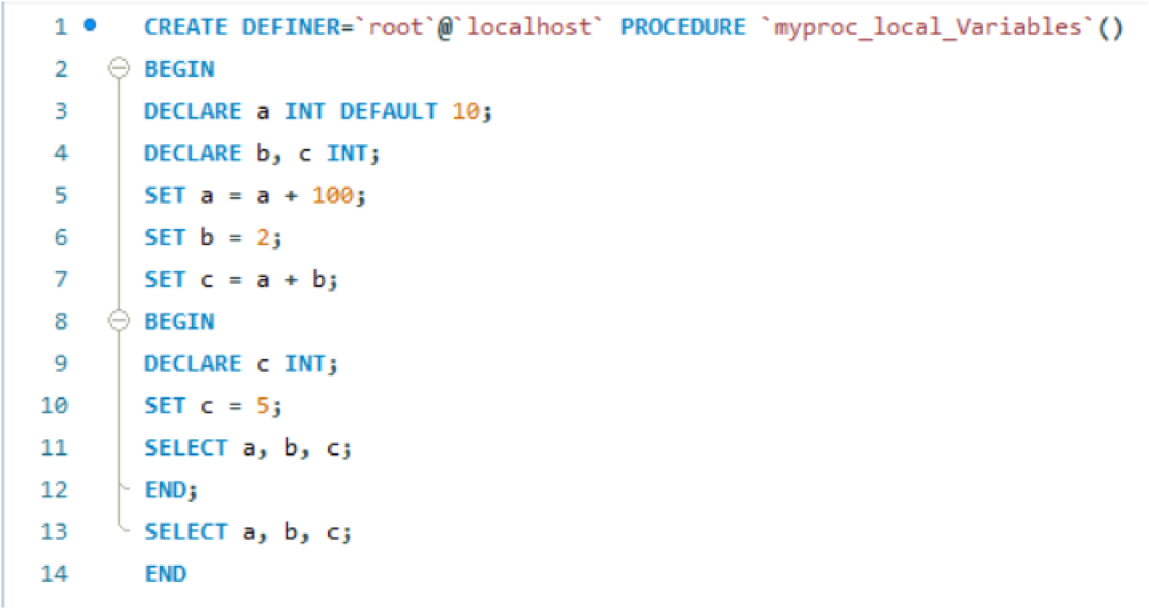
All Stored Procedures



```
▼ lab_assgn_11
  ▼ Tables
    ▶ products
    Views
  ▼ Stored Procedures
      my_userproc_out
      myproc_IN
      myproc_local_Variables
      myproc_User_Variables
      Prod_case
    Functions
```

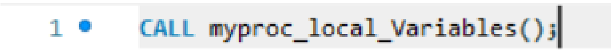
Assignment 1 :

Procedure :

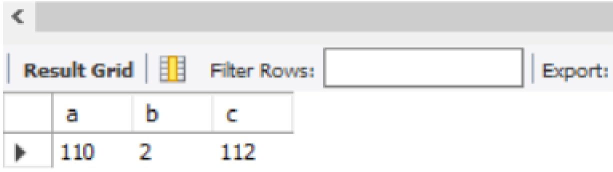


```
CREATE DEFINER=`root`@`localhost` PROCEDURE `myproc_local_Variables`()
BEGIN
DECLARE a INT DEFAULT 10;
DECLARE b, c INT;
SET a = a + 100;
SET b = 2;
SET c = a + b;
BEGIN
DECLARE c INT;
SET c = 5;
SELECT a, b, c;
END;
SELECT a, b, c;
END
```

Calling Procedure :



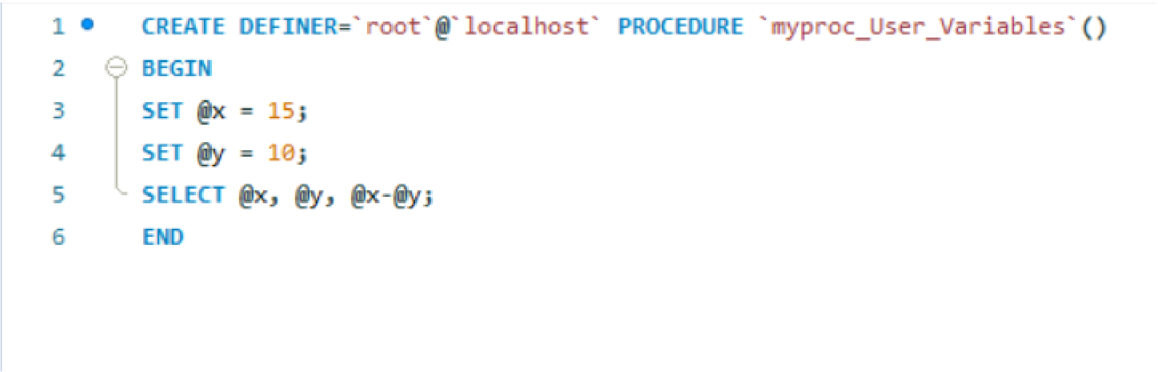
```
CALL myproc_local_Variables();
```



a	b	c
110	2	112

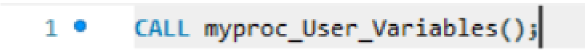
Assignment 2:

Procedure :

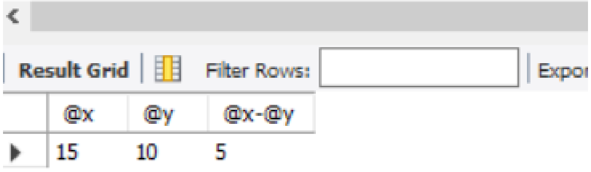


```
CREATE DEFINER=`root`@`localhost` PROCEDURE `myproc_User_Variables`()
BEGIN
SET @x = 15;
SET @y = 10;
SELECT @x, @y, @x-@y;
END
```

Calling Procedure :



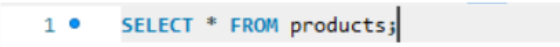
```
CALL myproc_User_Variables();
```



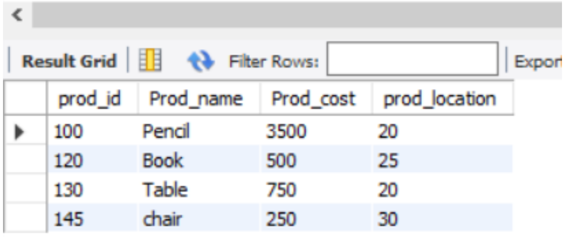
@x	@y	@x-@y
15	10	5

Assignment 3:

Table

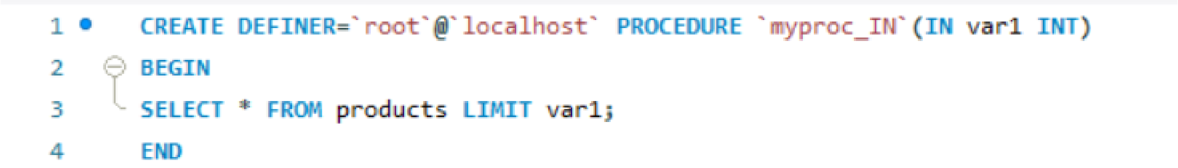


```sql
SELECT * FROM products;
```



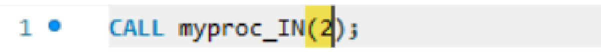
prod_id	Prod_name	Prod_cost	prod_location
100	Pencil	3500	20
120	Book	500	25
130	Table	750	20
145	chair	250	30

Procedure 3.1:

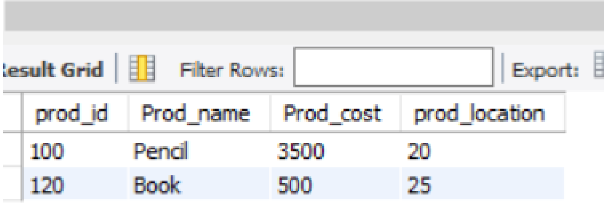


```sql
CREATE DEFINER=`root`@`localhost` PROCEDURE `myproc_IN`(IN var1 INT)
BEGIN
SELECT * FROM products LIMIT var1;
END
```

Calling Procedure 3.1 :

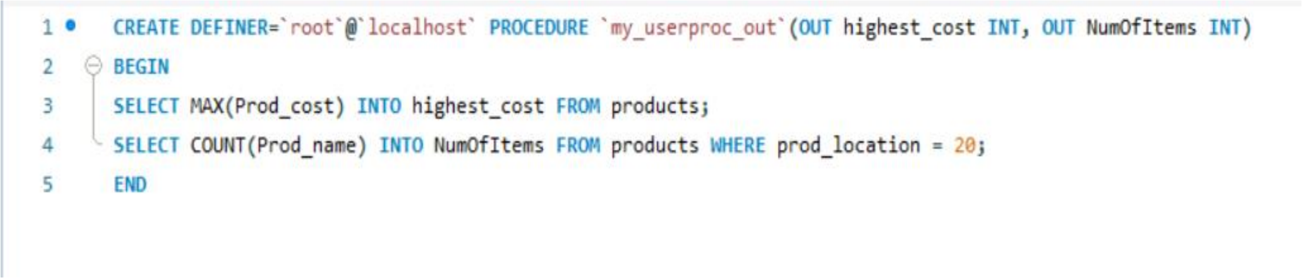


```sql
CALL myproc_IN(2);
```



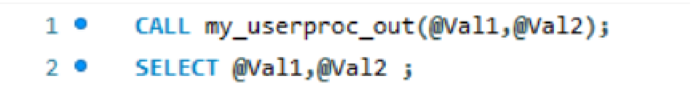
prod_id	Prod_name	Prod_cost	prod_location
100	Pencil	3500	20
120	Book	500	25

Procedure 3.2 :

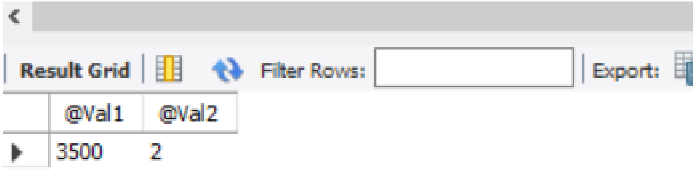


```
CREATE DEFINER=`root`@`localhost` PROCEDURE `my_userproc_out`(OUT highest_cost INT, OUT NumOfItems INT)
BEGIN
SELECT MAX(Prod_cost) INTO highest_cost FROM products;
SELECT COUNT(Prod_name) INTO NumOfItems FROM products WHERE prod_location = 20;
END
```

Calling Procedure 3.2:

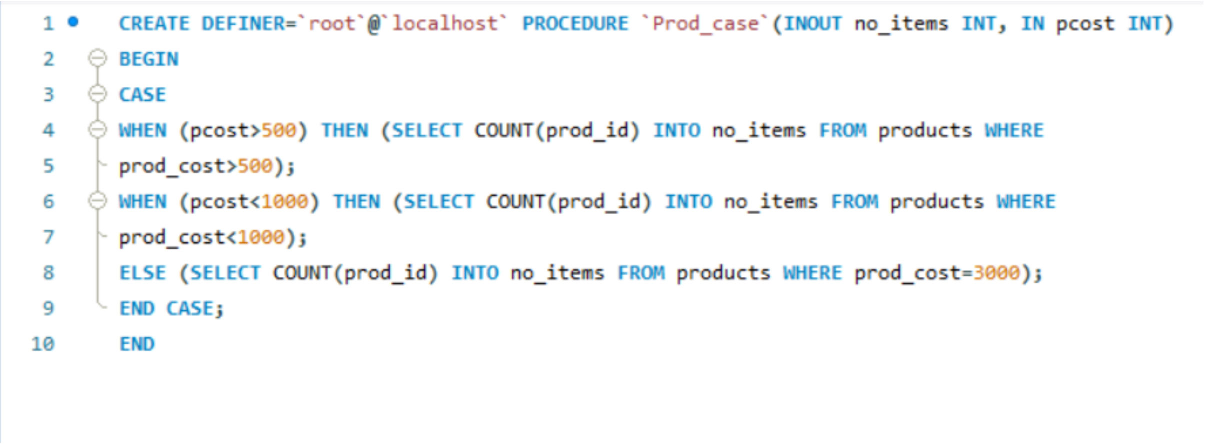


```
CALL my_userproc_out(@Val1,@Val2);
SELECT @Val1,@Val2 ;
```



@Val1	@Val2
3500	2

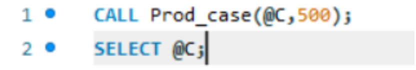
Procedure 3.3 :



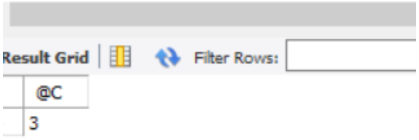
```
CREATE DEFINER=`root`@`localhost` PROCEDURE `Prod_case`(INOUT no_items INT, IN pcost INT)
BEGIN
CASE
WHEN (pcost>500) THEN (SELECT COUNT(prod_id) INTO no_items FROM products WHERE
prod_cost>500);
WHEN (pcost<1000) THEN (SELECT COUNT(prod_id) INTO no_items FROM products WHERE
prod_cost<1000);
ELSE (SELECT COUNT(prod_id) INTO no_items FROM products WHERE prod_cost=3000);
END CASE;
END
```

Calling Procedure 3.3 :

1.

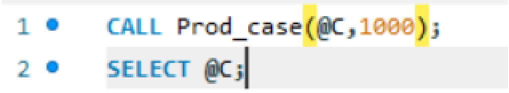


```sql
CALL Prod_case(@C,500);
SELECT @C;
```

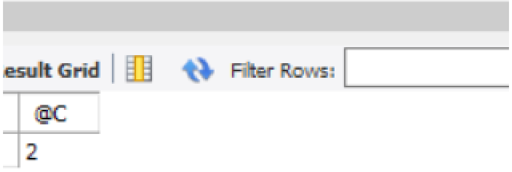


```
@C
3
```

2.



```sql
CALL Prod_case(@C,1000);
SELECT @C;
```



```
@C
2
```