Lab07 – Stored Procedures

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Query 1

Query 2

```
mysql> drop procedure insertIntoBank;
Query OK, 0 rows affected (0.01 sec)
```

```
mysql> create procedure addTwoNums(in a int, in b int, out sum int)
   -> begin
   -> set sum = a = b;
   -> set sum = a+b;
   -> end //
Query OK, 0 rows affected (0.01 sec)
```

a = b was a mistake*

Query 4

```
mysql> create procedure sqroot(inout num int)
   -> begin
   -> set num = SQRT(num);
   -> end //
Query OK, 0 rows affected (0.03 sec)
```

```
mysql> delimiter //
mysql> create procedure countChars(in string varchar(20), out ans int)
   -> begin
   -> set ans = char_length(string);
    -> end //
Query OK, 0 rows affected (0.01 sec)
mysql> delimiter ;
mysql> set uwu = 'hello';
ERROR 1193 (HY000): Unknown system variable 'uwu'
mysql> set @uwu = 'hello';
Query OK, 0 rows affected (0.00 sec)
mysql> call countChars(@uwu, @a);
Query OK, 0 rows affected (0.00 sec)
mysql> select @a;
@a
     5 |
1 row in set (0.00 sec)
```

Query 6

```
mysql> create procedure factorial(in num int)
   -> begin
   -> declare ans int;
   -> set ans = 1;
   -> loop_label: LOOP
   -> if num = 0 or num = 1 then leave loop_label;
   -> end if;
   -> set ans = ans * num;
   -> set num = num - 1;
   -> iterate loop_label;
   -> end loop;
   -> set @aay = ans;
   -> select @aay;
    -> end //
Query OK, 0 rows affected (0.01 sec)
mysql> delimiter ;
mysql> call factorial(5);
@aay
120
1 row in set (0.00 sec)
Query OK, 0 rows affected (0.00 sec)
```

Query 8

```
mysql> delimiter //
mysql> create procedure id_check(in id varchar(4))
    -> begin
    -> select * from loan l where l.id = id;
    -> end //
Query OK, 0 rows affected (0.01 sec)

mysql> delimiter;
mysql> call id_check('1010');
+----+
| id | name |
+----+
| 1010 | rossi |
+----+
| row in set (0.00 sec)
Query OK, 0 rows affected (0.01 sec)
```

Thank you