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Stored Procedures

1.

```
mysql> create database assignment_6 //  
Query OK, 1 row affected (0.00 sec)
```

2.

```
mysql> use assignment_6 //  
Database changed  
mysql> create table procedures (Name char(6), number1 int, number2 int, number3 int)  
//  
Query OK, 0 rows affected (0.13 sec)  
  
mysql> describe procedures //  
+-----+-----+-----+-----+-----+-----+  
| Field | Type | Null | Key | Default | Extra |  
+-----+-----+-----+-----+-----+-----+  
| Name  | char(6) | YES |     | NULL    |       |  
| number1 | int(11) | YES |     | NULL    |       |  
| number2 | int(11) | YES |     | NULL    |       |  
| number3 | int(11) | YES |     | NULL    |       |  
+-----+-----+-----+-----+-----+-----+  
4 rows in set (0.01 sec)
```

```
mysql> insert into procedures values ('mike',0,1,2) //  
Query OK, 1 row affected (0.08 sec)  
  
mysql> insert into procedures values ('tom',1,2,3) //  
Query OK, 1 row affected (0.07 sec)  
  
mysql> insert into procedures values ('dick', 2,3,0) //  
Query OK, 1 row affected (0.08 sec)  
  
mysql> insert into procedures values ('harry', 3,0,1) //  
Query OK, 1 row affected (0.07 sec)  
  
mysql> select * from procedures //  
+-----+-----+-----+-----+  
| Name | number1 | number2 | number3 |  
+-----+-----+-----+-----+  
| mike | 0 | 1 | 2 |  
| tom  | 1 | 2 | 3 |  
| dick | 2 | 3 | 0 |  
| harry | 3 | 0 | 1 |  
+-----+-----+-----+-----+  
4 rows in set (0.00 sec)
```

3. See 4.

```
mysql> create procedure update_users (in YorN char(1))
-> begin
-> declare a char(1) default 'y';
-> set a = YorN; //
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corre
sponds to your MySQL server version for the right syntax to use near '' at line 4
mysql> create procedure update_users (in YorN char(1))
-> begin
-> declare a char(1);
-> set a = YorN;
-> if a = 'Y' then
-> update assignment_6.procedures set number1 = 3, number2 = 4, number3 = 5 where
Name='mike';
-> update assignment_6.procedures set number1 = 3, number2 = 2, number3 = 1 where
Name='tom';
-> else
-> if a = 'N' then
-> update assignment_6.procedures set number1 = 5, number2 = 6, number3 = 7 where
Name='dick';
-> update assignment_6.procedures set number1 = 22, number2 = 33, number3 = 44 wh
ere Name='harry';
-> end if;
-> end if;
-> end; //
Query OK, 0 rows affected (0.02 sec)
```

4.

```
mysql> call update_users ('Y') //
Query OK, 1 row affected (0.40 sec)

mysql> select * from procedures //
+-----+-----+-----+-----+
| Name | number1 | number2 | number3 |
+-----+-----+-----+-----+
| mike | 3 | 4 | 5 |
| tom | 3 | 2 | 1 |
| dick | 2 | 3 | 0 |
| harry | 3 | 0 | 1 |
+-----+-----+-----+-----+
4 rows in set (0.00 sec)

mysql> call update_users ('N') //
Query OK, 1 row affected (0.41 sec)

mysql> select * from procedures //
+-----+-----+-----+-----+
| Name | number1 | number2 | number3 |
+-----+-----+-----+-----+
| mike | 3 | 4 | 5 |
| tom | 3 | 2 | 1 |
| dick | 5 | 6 | 7 |
| harry | 22 | 33 | 44 |
+-----+-----+-----+-----+
4 rows in set (0.00 sec)
```

5.

6. See 5.