

1. Write a PL/SQL program to print "hello"

Ans)

```
mysql> create procedure p2()
-> begin
-> select 'hello';
-> end;
-> $$
-> end//
ERROR 1304 (42000): PROCEDURE p2 already exists
mysql> call p2();
-> $$
-> end//
Query OK, 0 rows affected (0.00 sec)

ERROR 1064 (42000): You have an error in your SQL s
end' at line 1
mysql> select 'hello';
-> call p2();
-> end//
+-----+
| hello |
+-----+
| hello |
+-----+
1 row in set (0.00 sec)

Query OK, 0 rows affected (0.00 sec)
```

2. Write a PL/SQL repeat loop to print numbers from 1 to 10
Ans)

```
mysql> delimiter //
mysql> create procedure p4()
-> begin
-> set @i=1;
-> myloop: loop
-> select @i=1;
-> select @i=@i+1;
-> if @i>10 then
-> leave my loop;
-> end if;
-> end loop;
-> end;
-> $$
->
->
-> $$ end //
ERROR 1308 (42000): LEAVE with no matching label: my
mysql> create procedure p4()
-> begin
-> set @i = 1;
-> set @i = @i + 1;
-> if @i > 10 then
-> leave myloop;
-> end if;
-> end loop;
-> end;
-> $$
-> end //
ERROR 1308 (42000): LEAVE with no matching label: myloop
mysql> create procedure p4()
-> begin
-> set @i=1;
-> myloop: loop
-> select @i;
-> set @i = @i + 1;
-> if @i > 10 then
-> leave myloop;
-> end if;
-> end loop;
-> end;
-> $$
-> end//
Query OK, 0 rows affected (0.02 sec)

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right usage of 'end' at line 1
```

```
mysql> call p4();
-> $$
-> end//
+-----+
| @i |
+-----+
| 1 |
+-----+
1 row in set (0.02 sec)

+-----+
| @i |
+-----+
| 2 |
+-----+
1 row in set (0.02 sec)

+-----+
| @i |
+-----+
| 3 |
+-----+
1 row in set (0.02 sec)

+-----+
| @i |
+-----+
| 4 |
+-----+
1 row in set (0.03 sec)

+-----+
| @i |
+-----+
| 5 |
+-----+
1 row in set (0.03 sec)
```

```
+-----+
| @i    |
+-----+
|      5 |
+-----+
1 row in set (0.03 sec)
```

```
+-----+
| @i    |
+-----+
|      6 |
+-----+
1 row in set (0.04 sec)
```

```
+-----+
| @i    |
+-----+
|      7 |
+-----+
1 row in set (0.04 sec)
```

```
+-----+
| @i    |
+-----+
|      8 |
+-----+
1 row in set (0.04 sec)
```

```
+-----+
| @i    |
+-----+
|      9 |
+-----+
1 row in set (0.04 sec)
```

```
+-----+
| @i    |
+-----+
|     10 |
+-----+
1 row in set (0.04 sec)
```

Query OK, 0 rows affected (0.04 sec)