**Ex.No 16**

**REPEAT LOOP AND WHILE LOOP IN PL/SQL**

1.Write a PL?SQL program to print “hello”

mysql> create procedure p2()

-> begin

-> select ' hello';

-> end;

-> $$

Query OK, 0 rows affected (0.02 sec)

mysql> call p2();

-> $$

+---------+

| hello |

+---------+

1 row in set (0.00 sec)

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

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;

-> $$

Query OK, 0 rows affected (0.00 sec)

mysql> call p4();

-> $$

+------+

| @i |

+------+

| 1 |

+------+

1 row in set (0.03 sec)

+------+

| @i |

+------+

| 2 |

+------+

1 row in set (0.04 sec)

+------+

| @i |

+------+

| 3 |

+------+

1 row in set (0.05 sec)

+------+

| @i |

+------+

| 4 |

+------+

1 row in set (0.05 sec)

+------+

| @i |

+------+

| 5 |

+------+

1 row in set (0.06 sec)

+------+

| @i |

+------+

| 6 |

+------+

1 row in set (0.06 sec)

+------+

| @i |

+------+

| 7 |

+------+

1 row in set (0.06 sec)

+------+

| @i |

+------+

| 8 |

+------+

1 row in set (0.06 sec)

+------+

| @i |

+------+

| 9 |

+------+

1 row in set (0.06 sec)

+------+

| @i |

+------+

| 10 |

+------+

1 row in set (0.07 sec)

Query OK, 0 rows affected (0.07 sec)

3.Write PL/SQL While loop to print numbers from 1 to 9

mysql> create procedure p5()

-> begin

-> set @i = 1;

-> while @i < 10 do

-> select @i;

-> set @i = @i + 1;

-> end while;

-> end;

-> $$

Query OK, 0 rows affected (0.00 sec)

mysql> call p5();

-> $$

+------+

| @i |

+------+

| 1 |

+------+

1 row in set (0.00 sec)

+------+

| @i |

+------+

| 2 |

+------+

1 row in set (0.01 sec)

+------+

| @i |

+------+

| 3 |

+------+

1 row in set (0.01 sec)

+------+

| @i |

+------+

| 4 |

+------+

1 row in set (0.01 sec)

+------+

| @i |

+------+

| 5 |

+------+

1 row in set (0.01 sec)

+------+

| @i |

+------+

| 6 |

+------+

1 row in set (0.02 sec)

+------+

| @i |

+------+

| 7 |

+------+

1 row in set (0.02 sec)

+------+

| @i |

+------+

| 8 |

+------+

1 row in set (0.03 sec)

+------+

| @i |

+------+

| 9 |

+------+

1 row in set (0.03 sec)

Query OK, 0 rows affected (0.03 sec)