ASSIGNMENT NO:5B

Q:1 Addition of 2 numbers.

mysql> create database abc;

Query OK, 1 row affected (0.00 sec)

mysql> use abc;

Database changed

mysql> delimiter #

mysql> create procedure addition(IN a int,IN b int,OUT c int)

-> BEGIN

-> SET c=a+b;

-> END #

Query OK, 0 rows affected (0.00 sec)

mysql> call addition(40,40,@x)#

Query OK, 0 rows affected (0.00 sec)

mysql> select @x#

+------+

| @x |

+------+

| 80 |

+------+

1 row in set (0.01 sec)

Q-4B: Display the class based on percentage value.

mysql> delimiter #

mysql> create procedure marks(IN x float)

-> BEGIN

-> DECLARE a1 float;

-> DECLARE a2 float;

-> SET p1=75.0;

-> SET p2=60.0;

-> IF x>=a1 then

-> SELECT 'DISTINCTION';

-> ELSEIF x>=p2 AND x<p1 THEN

-> SELECT 'FIRST CLASS';

-> ELSE

-> SELECT 'SECOND CLASS';

-> END IF;

-> END #

Query OK, 0 rows affected (0.00 sec)

mysql> call marks(70)#

+--------------+

| FIRST CLASS |

+--------------+

| FIRST CLASS |

+--------------+

1 row in set (0.00 sec)

Query OK, 0 rows affected (0.00 sec)

Query OK, 0 rows affected (0.00 sec)

Q-2 Display sum of numbers from 1 to 100 that are divisible by 4

mysql> create procedure fourdiv (OUT sum1 int)

-> BEGIN

-> DECLARE i int;

-> SET i=0;

-> SET sum1=0;

-> WHILE i<100

-> DO

-> IF i MOD 4=0 THEN

-> SET sum1=sum1+i;

-> END IF;

-> SET i=i+1;

-> END WHILE;

-> END #

Query OK, 0 rows affected (0.00 sec)

mysql> call fourdiv(@d)#

Query OK, 0 rows affected (0.00 sec)

mysql> select @d#

+------+

| @d |

+------+

| 1200 |

+------+

1 row in set (0.00 sec)

Q-1B: Display the factorial of given number.

mysql> DELIMITER #

mysql> CREATE FUNCTION FACT(A INT)

-> RETURNS INT

-> BEGIN

-> DECLARE I INT;

-> SET I=1;

-> WHILE A>0

-> DO

-> SET I=I\*A;

-> SET A=A-1;

-> END WHILE;

-> RETURN I;

-> END #

Query OK, 0 rows affected (0.12 sec)

mysql> SELECT FACT(5)#

+---------+

| FACT(5) |

+---------+

| 120 |

+---------+

1 row in set (0.00 sec)