ASSIGNMENT – 09

mysql> use practice;

Database changed

mysql> delimiter $$

mysql> create procedure helloWorld()

-> begin

-> select "Hello World" as message;

-> end $$

Query OK, 0 rows affected (0.01 sec)

mysql> delimiter ;

mysql> call helloWorld();

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

| message |

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

| Hello World |

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

1 row in set (0.00 sec)

Query OK, 0 rows affected (0.00 sec)

mysql> delimiter $$

mysql> create procedure evenOdd(in num int)

-> begin

-> if mod(num,2) = 0 then

-> select 'Even Number' as message;

-> else

-> select 'Odd Number' as message;

-> end if;

-> end$$

Query OK, 0 rows affected (0.03 sec)

mysql> delimiter ;

mysql> call evenOdd(25);

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

| message |

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

| Odd Number |

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

1 row in set (0.00 sec)

Query OK, 0 rows affected (0.00 sec)

mysql> delimiter $$

mysql> create procedure emp\_info()

-> begin

-> select \* from employee;

-> end$$

Query OK, 0 rows affected (0.00 sec)

mysql> call emp\_info()$$

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

| emp\_id | first\_name | last\_name | birth\_date | sex | salary | super\_id | branch\_id |

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

| 102 | Michael | Scott | 1964-03-15 | M | 75000 | 100 | 2 |

| 103 | Angela | Martin | 1971-06-25 | F | 63000 | 102 | 2 |

| 104 | Kelly | Kapoor | 1980-02-05 | F | 55000 | 102 | 2 |

| 105 | Stanley | Hudson | 1958-02-19 | M | 69000 | 102 | 2 |

| 106 | Jost | Porter | 1969-09-05 | M | 78000 | 100 | 3 |

| 107 | Andy | Bernad | 1969-09-05 | M | 65000 | 106 | 3 |

| 108 | Jim | Halpert | 1978-10-01 | M | 71000 | 106 | 3 |

| 109 | Oscar | Martinez | 1968-02-19 | M | 69000 | 106 | 3 |

| 110 | Kevin | Malone | 1978-02-19 | M | 69000 | 106 | 3 |

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

9 rows in set (0.01 sec)

Query OK, 0 rows affected (0.01 sec)

mysql> create procedure emp\_class(in id int)

-> begin

-> declare salary\_temp int;

-> select salary into salary\_temp

-> from employee

-> where emp\_id = id;

-> if salary\_temp > 70000 then

-> select 'Class I' as Class\_Status;

-> elseif salary\_temp > 50000 and salary\_temp < 70000 then

-> select 'Class II' as Class\_Status;

-> elseif salary\_temp > 30000 and salary < 50000 then

-> select 'Class III' as Class\_Status;

-> else

-> select 'Class IV' as Class\_Status;

-> end if;

-> end$$

Query OK, 0 rows affected (0.11 sec)

mysql> call emp\_class(102)$$

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

| Class\_Status |

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

| Class I |

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

1 row in set (0.01 sec)

Query OK, 0 rows affected (0.01 sec)

mysql> call emp\_class(103)$$

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

| Class\_Status |

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

| Class II |

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

1 row in set (0.00 sec)

Query OK, 0 rows affected (0.00 sec)

mysql> create function empClass(id int)

-> returns varchar(20)

-> deterministic

-> begin

-> declare salary\_temp int;

-> declare status varchar(20);

-> select salary into salary\_temp

-> from employee

-> where emp\_id = id;

-> if salary\_temp > 70000 then

-> set status = 'Class I';

-> elseif (salary\_temp >60000 and salary\_temp <70000) then

-> set status = 'Class II';

-> else

-> set status = 'Class III';

-> end if;

-> return (status);

-> end$$

Query OK, 0 rows affected (0.05 sec)

mysql> select emp\_id, first\_name, salary, empClass(emp\_id) as Status

-> from employee$$

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

| emp\_id | first\_name | salary | Status |

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

| 102 | Michael | 75000 | Class I |

| 103 | Angela | 63000 | Class II |

| 104 | Kelly | 55000 | Class III |

| 105 | Stanley | 69000 | Class II |

| 106 | Jost | 78000 | Class I |

| 107 | Andy | 65000 | Class II |

| 108 | Jim | 71000 | Class I |

| 109 | Oscar | 69000 | Class II |

| 110 | Kevin | 69000 | Class II |

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

9 rows in set (0.03 sec)

mysql> select count(\*), empClass(emp\_id)

-> from employee

-> group by empClass(emp\_id)$$

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

| count(\*) | empClass(emp\_id) |

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

| 3 | Class I |

| 5 | Class II |

| 1 | Class III |

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

3 rows in set (0.01 sec)

mysql> select count(\*), empClass(emp\_id)

-> $$

ERROR 1054 (42S22): Unknown column 'emp\_id' in 'field list'

mysql> select count(\*) as TotalNumber, empClass(emp\_id)

-> from employee

-> group by empClass(emp\_id)$$

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

| TotalNumber | empClass(emp\_id) |

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

| 3 | Class I |

| 5 | Class II |

| 1 | Class III |

|  |  |
| --- | --- |
|  |  |

3 rows in set (0.00 sec)