

Assignment - 8

Batch 1- Exercise

```
mysql> CREATE TABLE EMPLOYEE (  
    ENo INT,  
    FName VARCHAR(50),  
    Age INT,  
    Grade VARCHAR(50),  
    Salary INT(10));
```

```
mysql> insert into employee values(1,"ted",40,"Asst. prof",10000);  
mysql> insert into employee values(2,"Jenna",30,"Associate Prof",25000);  
mysql> insert into employee values(3,"Emma",25,"Professor",25000);  
mysql> insert into employee values(4,"James",45,"Professor",40000);  
mysql> insert into employee values(5,"Tom",45,"Asst. prof",40000);
```

```
mysql> select * from employee;
```

```
+-----+-----+-----+-----+-----+  
| ENo | FName | Age | Grade      | Salary |  
+-----+-----+-----+-----+-----+  
|  1 | ted   | 40 | Asst. prof | 10000 |  
|  2 | Jenna | 30 | Associate Prof | 25000 |  
|  3 | Emma  | 25 | Professor   | 25000 |  
|  4 | James | 45 | Professor   | 40000 |  
|  5 | Tom   | 45 | Asst. prof  | 40000 |  
+-----+-----+-----+-----+-----+
```

```
mysql> DELIMITER $$
```

```
mysql> CREATE PROCEDURE IncrementSalaryByGrade()  
    BEGIN  
        DECLARE eno_val INT;  
        DECLARE fname_val VARCHAR(50);  
        DECLARE age_val INT;  
        DECLARE grade_val VARCHAR(50);  
        DECLARE salary_val INT;  
        DECLARE done INT DEFAULT FALSE;
```

```

DECLARE emp_cursor CURSOR FOR
SELECT ENo, FName, Age, Grade, Salary FROM EMPLOYEE;
DECLARE CONTINUE HANDLER FOR NOT FOUND SET done = TRUE;
OPEN emp_cursor;

```

```

    read_loop: LOOP
    FETCH emp_cursor INTO eno_val, fname_val, age_val, grade_val,
salary_val;

```

```

    IF done THEN
LEAVE read_loop;
    END IF;

```

```

    IF grade_val = 'Asst. prof' THEN
        SET salary_val = salary_val + 10000;
    ELSEIF grade_val = 'Associate Prof' THEN
        SET salary_val = salary_val + 20000;
    ELSEIF grade_val = 'Professor' THEN
        SET salary_val = salary_val + 30000;
    END IF;

```

```

    UPDATE EMPLOYEE SET Salary = salary_val WHERE ENo = eno_val;
END LOOP;
CLOSE emp_cursor;
END $$

```

```

mysql> CALL IncrementSalaryByGrade();

```

```

mysql> select * from employee;

```

```

+-----+-----+-----+-----+-----+
| ENo | FName | Age | Grade      | Salary |
+-----+-----+-----+-----+-----+
| 1 | ted   | 40 | Asst. prof | 30000 |
| 2 | Jenna | 30 | Associate Prof | 65000 |
| 3 | Emma  | 25 | Professor   | 85000 |
| 4 | James | 45 | Professor   | 100000 |
| 5 | Tom   | 45 | Asst. prof  | 60000 |
+-----+-----+-----+-----+-----+

```