

Information Storage and Management I

Zero Marks

Views

Create the following tables in the database:

Sales

pid	timeid	locid	sales
01	01	01	150
01	02	02	200
02	01	01	150
02	03	02	300

Locations

locid	region	country
01	Eastern	USA
02	Western	USA

- Create a view SalesP1 in MySQL to list all sales with pid = 1;
- List all rows in SalesP1
- Increase the sale attribute (in SalesP1) with pid = 1 and locid = 1 to 300
- Increase the sale attribute (in SalesP1) with pid = 2 and locid = 2 to 300
- Update SalesP1 to ensure that every row that inserted or updated must conform the definition of the view, i.e., use the WITH CHECK POINT option
- Create a view TotalSalesbyRegion in MySQL that returns the Total sales for each product by regions in USA. You need to include the following attributes: productid, year, month, region, and sum of sales (grouping by region)

SQL Stored Procedures

Create the following table (Customers) in the DB

CustomerID	CustomerName	City	Salary
1	Homer	Springfield	37416
2	Peter	Cork	20000
3	Barry	London	33000
4	Mr. Burns	Springfield	100000

The following stored procedure “SelectAllCustomers” to select all records from the “Customers” table.

```
DELIMITER //  
CREATE PROCEDURE SelectAllCustomers()  
BEGIN  
    SELECT * FROM Customers;  
END;  
DELIMITER ;
```

And execute the stored procedure as follows:

```
CALL SelectAllCustomers()
```

Create a stored procedure to select “Customers” from a given city.

Hint:

```
DELIMITER //  
CREATE PROCEDURE SelectAllCustomersCity(IN City VARCHAR(20))  
...  
END ;  
DELIMITER ;
```

And execute the stored procedure as follows:

```
CALL SelectAllCustomersCity("London")
```

Create a stored procedure to select all “customers” whose salary is higher than the average salary (of all employees) in the Database

Hint:

```
DELIMITER //
```

```
CREATE PROCEDURE SelectCustomersAboveAverageSalary()
```

```
...
```

```
END;
```

```
DELIMITER ;
```

Now execute the stored procedure as follows:

```
CALL SelectCustomersAboveAverageSalary()
```