

# CMPE351 ASSIGNMENT 2

**Due: November 2, 2018 23:59**

This assignment's aim is to make you practice more on SQL queries. As you will write queries you also explain what a given query does.

**First of all go to [https://www.w3schools.com/sql/trysql.asp?filename=trysql\\_select\\_all](https://www.w3schools.com/sql/trysql.asp?filename=trysql_select_all). This is the link to W3Schools MySQL Tryit Editor and the sample database we are using in lab sessions.**

## 1 Writing Queries

1. Write a query that lists the first name and the number of sales of each employee including the ones that has not received any orders yet.
2. Write a query that calculates and lists the total price of each order.
3. Write a query that lists the name of each different product shipped by Speedy Express.

## 2 Reading Queries

Explain what the following query does:

1. 

```
SELECT Categories.CategoryName, COUNT(Products.CategoryID)
FROM (((Shippers INNER JOIN Orders USING (ShipperID))
INNER JOIN OrderDetails USING (OrderID))
INNER JOIN Products USING (ProductID))
INNER JOIN Categories USING (CategoryID))
WHERE ShipperName="Speedy Express"
GROUP BY Products.CategoryID
ORDER BY COUNT(Products.CategoryID) DESC;
```

### Rules

- Write your answers in a txt file called "CMPE351\_A2\_STUDENTID.txt" and submit via blackboard.
- Deadline is strict. Late submissions are not accepted. There will not be any make up for this assignment.
- Plagiarism is not tolerated. When detected, involved students get zero points from this assignment.