Part 01

Use ITI DB

1. Select max two salaries in the instructor table.
2. Write a query to select the highest two salaries in Each Department for instructors who have salaries. “using one of Ranking Functions”
3. Write a query to select a random student from each department. “using one of Ranking Functions”
4. Display instructors who have salaries less than the average salary of all instructors.
5. Select max two salaries in instructortable.

Part 02

Restore adventureworks2012 Database Then :

1. Display the SalesOrderID, ShipDate of the SalesOrderHearder table (Sales schema) to designate SalesOrders that occurred within the period ‘7/28/2002’ and ‘7/29/2014’
2. Display only Products(Production schema) with a StandardCost below $110.00 (show ProductID, Name only)
3. Display ProductID, Name if its weight is unknown
4. Display all Products with a Silver, Black, or Red Color
5. Display any Product with a Name starting with the letter B
6. Run the following Query

   ```
   UPDATE Production.ProductDescription
   SET Description = 'Chromoly steel_High of defects'
   ```

WHERE ProductDescriptionID = 3

Then write a query that displays any Product description with underscore value in its description.

7. Display the Employees HireDate (note no repeated values are allowed)
8. Display the Product Name and its ListPrice within the values of 100 and 120 the list should have the following format "The [product name] is only! [List price]" (the list will be sorted according to its ListPrice value)

Part 03

Use MyCompany DB

1. Display the data of the department which has the smallest employee ID over all employees' ID.
2. List the last name of all managers who have no dependents
3. Display the employee number and name if he/she has at least one dependent (use exists keyword)self-study.
4. For each department-- if its average salary is less than the average salary of all employees display its number, name and number of its employees.