PSO Solutions (Week 4)

1. Get each employee Id with the total number of orders processed by that employee, sort the result set by the number of orders processed in a descending order.

```
select EmployeeId, count(OrderId) as NumOfOrders from Orders group by EmployeeId order by NumOfOrders desc;
```

2. Using the same semantics of Query 1, display the top 5 records (ranked by the descending order of the total number of orders, i.e. get the top 5 active employees).

```
select EmployeeId, NumOfOrders from (
    select EmployeeId, count(OrderId) as NumOfOrders
    from Orders
    group by EmployeeId
    order by NumOfOrders desc
) where rownum <= 5;

select EmployeeId, count(OrderId) as NumOfOrders
from Orders
group by EmployeeId
order by NumOfOrders desc
fetch first 5 rows only;</pre>
```

3. Get the id and the total amount of the most expensive order in the database (consider the discount attribute when computing the total order amount).

```
select OrderId, sum((UnitPrice * Quantity * (1 - Discount))) as OrderTotal from Order_Details group by OrderId order by OrderTotal desc fetch first row only;
```

- 4. Get the names of the ten best selling products (based on the accumulated quantities sold). Display all the ties (i.e. if the 10th best selling product has the same rank as another product, display the two products).
 - Wrong way to do it (does not consider ties):

• Right way to do it (considers ties):