Assignment 5
COSC 3336
Spring 2022

1. Write the SQL query to get the third maximum salary of an employee from a table named employees.

Table 1. Employee

employee_name	salary
A	24000
C	34000
D	55000
E	75000
F	21000
G	40000
H	50000

2. From the following tables write a SQL query to find the salesperson and customer who belongs to same city. Return Salesman, cust_name and city.

Table 2. salesman

salesman_id	name	city	commission
5001	James Hoog	New York	0.15
5002	Nail Knite	Paris	0.13
5005	Pit Alex	London	0.11
5006	Mc Lyon	Paris	0.14
5007	Paul Adam	Rome	0.13
5003	Lauson Hen	San Jose	0.12

Table 3. Customer

```
customer_id |   cust_name     |    city    | grade | salesman_id
------------+-----------------+------------+-------+-------------
       3002 | Nick Rimando    | New York   |  100  |        5001
       3007 | Brad Davis      | New York   |  200  |        5001
       3005 | Graham Zusi     | California |  200  |        5002
       3008 | Julian Green    | London     |  300  |        5002
       3004 | Fabian Johnson  | Paris      |  300  |        5006
       3009 | Geoff Cameron   | Berlin     |  100  |        5003
       3003 | Jozy Altidor    | Moscow     |  200  |        5007
```

3. From the following tables write a SQL query to select all rows from both participating tables as long as there is a match between pro_com and com_id

Table 4. company_mast

Table 5. item_mast

```
COM_ID COM_NAME
------ ------------
    11 Samsung
    12 iBall
    13 Epsion
    14 Zebronics
    15 Asus
    16 Frontech
```

```
PRO_ID PRO_NAME                          PRO_PRICE    PRO_COM
------- ------------------------- ------------- ---------
   101 Mother Board                        3200.00         15
   102 Key Board                            450.00         16
   103 ZIP drive                            250.00         14
   104 Speaker                              550.00         16
   105 Monitor                             5000.00         11
   106 DVD drive                            900.00         12
   107 CD drive                             800.00         12
   108 Printer                             2600.00         13
   109 Refill cartridge                     350.00         13
```

4. From the following tables write a SQL query to calculate and find the average price of items of each company higher than or equal to Rs. 350. Return average value and company name.

Table 4. company_mast

```
COM_ID COM_NAME
------ ------------
    11 Samsung
    12 iBall
    13 Epsion
    14 Zebronics
    15 Asus
    16 Frontech
```

Table 5. item_mast

```
PRO_ID PRO_NAME                            PRO_PRICE    PRO_COM
------ --------------------------------- ------------- ----------
   101 Mother Board                          3200.00       15
   102 Key Board                              450.00       16
   103 ZIP drive                              250.00       14
   104 Speaker                                550.00       16
   105 Monitor                               5000.00       11
   106 DVD drive                              900.00       12
   107 CD drive                               800.00       12
   108 Printer                               2600.00       13
   109 Refill cartridge                       350.00       13
```