

# Course : Database Design

## *Assignment - 1*

### Resources for this assignment:

- .vdi file of bossmool( modified Linux Operating System developed in Distributed Object Systems Lab, IIT, Madras) which includes the IIT Madras rate contract system explained in video lecture 1.
- User Credentials for bossmool.  
Username : bossmool  
Password : bossmool
- The above file and installation instructions pdf can be found under Downloads tab from the following link <http://dos.iitm.ac.in/projects/bossmool/bossmool.html>
- Computer Rate Contract Details System can be accessed from <http://localhost/index.htm> after successful installation of the above system
- User credentials for the MySQL server  
Username : www  
Password : www123

### Question:

Add a **Rating** field to the **users** table in the **ratecontract** database as shown below:

<b>id</b>	<b>Rating</b>
1	2
2	7
3	1
4	1
5	7
6	2
7	8
8	0
9	9
10	6

11	7
12	0
13	1
14	8
15	9
16	1
17	2
18	10
19	7
20	8
21	3
22	8
23	0
24	4
25	8
26	6
27	3

Modify the rate contract user interface for searching various computer items by including a drop down option for picking the rating. Using this modified rate contract user interface, produce the output for the following queries:

1. List all the computer system configurations with processor type as Dual Core 420 whose vendor rating is more than 3.
2. List out the specification number, company name and rating whose brand name is either intel or amd.
3. List out the unique vendors with ids for the specification number 9 sorted with respect to the rating in the descending order.
4. List out the username of all vendors along with ids whose ratings are more than the average of all vendors

5. List out the minimum price along with brand type for each brand type with vendor's rating no less than 4.

(Your output will be checked against standard output produced by the correct program)

**Submission Details:**

- Sql Code for each query should present in separate file and format of the file name Query\_X.sql (ex: Query\_1.sql, Query\_2.sql)
- The output of each query should present in separate file and format of the file name as Query\_X\_Output.txt (ex: Query\_1\_Output.txt, Query\_2\_Output.txt)
- Zip all the necessary files in one folder named as your registered email id.(ex: abc@gmail.com.zip)