

---

## DBMS LAB 05 TASKS

---

Prepared by:  
Mohammad Anas Jawad  
Lecturer, IUT CSE



Department of Computer Science and Engineering  
Islamic University of Technology  
February 12, 2020

---

**Note:** Write down your commands and errors encountered in a notepad file to be evaluated.

1. What is the maximum salary?
2. Who is the oldest male person? [Hint: nested query]
3. Which female person is the youngest? [Hint: nested query]
4. Which teacher has the most income?
5. Who is the most earning doctor?
6. Which citizens have 'a' in their name?
7. Which citizens have 'y' as the third character in their name?
8. What is the average age of this table?
9. What is the total income of all the teachers of the table?
10. What is the average income of the students?
11. Show the name of the most earning female student.
12. What is the number of cities with 'tg' in their name?
13. What is the maximum salary of citizens whose name starts with 'A'?
14. Show the description of the maximum earning teacher.
15. What is the average age of the students?
16. Make a list which will show the number of citizens belonging to each city.
17. Find the maximum salary of each occupation.
18. Categorize the average salary of male citizens based on occupation
19. Categorize the average salary of female citizens based on occupation where the maximum salary is at least 10000.

- 
20. What is the number of citizens whose salary is not within the range 40000-50000?
  21. If the state decided to oust the citizens whose salary is greater than 20000 but less than 50000, what will be the remaining number of citizens in Ctg? [Hint: You can use nested query]
  22. Find the average salary of upper middle-class citizens (i.e. salary  $\geq 55000$ ) under each city if there are at least two citizens in that city.