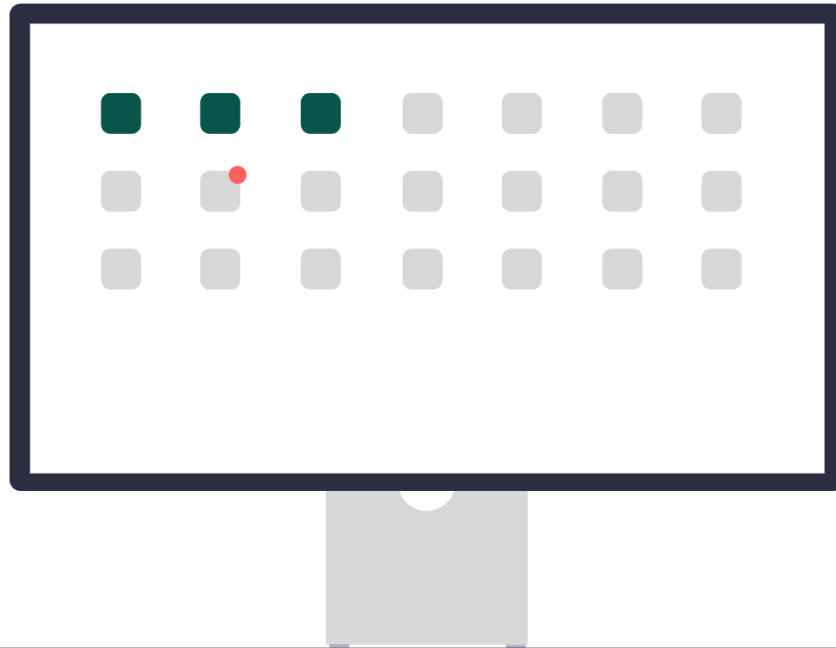


Lab Report of CSE302



Submitted By:

Aklhak Hossain
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<https://ahjim.com>

Submitted To:

Mahmuda Rawnak Jahan
Lecturer
Department of CSE
East West University

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Task 3 - SQL Queries

1. Show instructor name only:

```
SELECT NAME FROM instructor_2022360057;
```

NAME
Srinivasan
Wu
Mozart
Einstein
El Said
Gold
Katz
Califieri
Singh
Crick
Brandt
Kim

2. Show course id and title only:

```
SELECT COURSE_ID, TITLE FROM COURSE_2022360057;
```

COURSE_ID	TITLE
BIO-101	Intro. to Biology
BIO-301	Genetics
BIO-399	Computational Biology
CS-101	Intro. to Computer Science
CS-190	Game Design
CS-315	Robotics
CS-319	Image Processing
CS-347	Database System Concepts
EE-181	Intro. to Digital Systems
FIN-201	Investment Banking
HIS-351	World History
MU-199	Music Video Production
PHY-101	Physical Principles

3. Find instructor name and department of the instructor with id = 22222:

```
SELECT NAME, DEPT_NAME FROM Instructor_2022360057 WHERE ID = 22222;
```

NAME	DEPT_NAME
Einstein	Physics

4. Find course title and credits of the courses offered by 'Comp. Sci.' department:

SELECT TITLE, CREDITS FROM COURSE_2022360057 WHERE DEPT_NAME = 'Comp. Sci.';

TITLE	CREDITS
Intro. to Computer Science	4
Game Design	4
Robotics	3
Image Processing	3
Database System Concepts	3

5. Find the name and department of instructors who have a salary more than 70000.

SELECT NAME, DEPT_NAME FROM InstrUctor_2022360057 WHERE SALARY > 70000;

NAME	DEPT_NAME
Wu	Finance
Einstein	Physics
Gold	Physics
Katz	Comp. Sci.
Singh	Finance
Crick	Biology
Brandt	Comp. Sci.
Kim	Elec. Eng.

6. Find the course title of the courses which are not less than 4 credits.

SELECT TITLE FROM COURSE_2022360057 WHERE CREDITS >= 4;

TITLE
Intro. to Biology
Intro. to Computer Science
Game Design
Physical Principles

7. Find the name and department of instructors who have a salary in between 80000 and 100000 (bounds are inclusive).

**SELECT NAME, DEPT_NAME FROM InstrUctor_2022360057 WHERE SALARY >= 80000
AND SALARY <= 100000;**

NAME	DEPT_NAME
Wu	Finance
Einstein	Physics
Gold	Physics
Singh	Finance
Brandt	Comp. Sci.
Kim	Elec. Eng.

8. Find course titles and credits of the courses not offered by 'Comp. Sci.' department.

SELECT TITLE, CREDITS FROM COURSE_2022360057 WHERE NOT DEPT_NAME = 'Comp. Sci.';

TITLE	CREDITS
Intro. to Biology	4
Genetics	3
Computational Biology	3
Intro. to Digital Systems	2
Investment Banking	3
World History	3
Music Video Production	3
Physical Principles	4

9. Display all records of the instructor table.

SELECT * FROM InstrUctor_2022360057;

ID	NAME	DEPT_NAME	SALARY
10101	Srinivasan	Comp. Sci.	65000
12121	Wu	Finance	90000
15151	Mozart	Music	40000
22222	Einstein	Physics	95000
32343	El Said	History	60000
33456	Gold	Physics	87000
45565	Katz	Comp. Sci.	75000
58583	Califieri	History	62000
76543	Singh	Finance	80000
76766	Crick	Biology	72000
83821	Brandt	Comp. Sci.	92000
98345	Kim	Elec. Eng.	80000

10. Find all courses (display all columns) which are offered by 'Biology' department and credits are not 4.

**SELECT TITLE, CREDITS FROM COURSE_2022360057 WHERE
DEPT_NAME='Biology'AND NOT CREDITS = 4;**

TITLE	CREDITS
Genetics	3
Computational Biology	3