## **CSE370**: Database Systems

## Assignment 02 | Fall 2024

ID : 22301242 | Name : Md. Sabbir Akon

No 1 Query (as Plain Text)	select *from Employee;										
No 1 SS	MariaDB [company_22301242]> select *from Employee;										
(of Query & Output	employee_id	first_name	last_name	+   email	phone_number	hire_date	+   job_id	salary	+   commission_pct	manager_id	department_id
in Shell)	EMP001   EMP002   EMP003   EMP004   EMP005   EMP006   EMP007   EMP008   EMP009   EMP010   EMP011	MD. SABBIR MD. SHOYEB FAHIM IBN GAZI FAHMID RAKIB MEZBAH DIPTA RASHED UL MUHAMMAD SADMAN CHOMDHURY ASEER TAMEEM (0.000 sec)	AKON ISLAM MIZAN ERAZ HASAN KHAN MAZUMDER ISLAM NOOR RUTHBAH ISLAM	md.sabbir.akon@g.bracu.ac.bd   md.shoyeb.islam@g.bracu.ac.bd   fahim.ibn.mizan@g.bracu.ac.bd   gazi.fahmid.eraz@g.bracu.ac.bd   rakib.hasani@g.bracu.ac.bd   mezbah.khan@g.bracu.ac.bd   dipta.mazumder@g.bracu.ac.bd   rashed.ul.islam@g.bracu.ac.bd   mthammad.sadman.noor@g.bracu.ac.bd   chowdhury.aseer.ruthbah@g.bracu.ac.bd   tameem.islam@g.bracu.ac.bd	01700000001 01700000002 01700000003 01700000004 01700000005 01700000007 01700000008 01700000009 01700000001 0170000001	2020-03-15 2021-06-20 2022-09-10 2023-02-01 2021-11-11 2022-05-25 2023-06-15 2020-10-30 2022-01-01 2021-12-15 2023-05-10	JOB001   JOB002   JOB003   JOB004   JOB005   JOB006   JOB007   JOB009   JOB010   JOB011	50000 45000 60000 55000 40000 70000 65000 48000 52000 57000 53000	0.100 0.080 0.120 0.090 0.070 0.150 0.130 0.100 0.110 0.095	MNG003 MNG001 MNG002 MNG003 MNG001 MNG002 MNG003 MNG001 MNG002 MNG003 MNG001	DPT002 DPT004 DPT005 DPT001 DPT007 DPT003 DPT006 DPT004 DPT004 DPT002 DPT001 DPT007
No 1 Query (as Plain Text)		name,last_ _date) from E		nail,phone_number,hire_da	te,departm	nent_id fr	om Em	nploye	e where hire	e_date=(s	elect
No 1 SS	MariaDB [comp	any 22301242]> se	lect first n	ame,last name,email,phone number,hire	date,departmen	t id from Emp	oloyee wh	ere hire	date=(select MA)	((hire date)	from Employee)
(of Query & Output	+   first name	+		phone number   hire da	ate   departme	+ nt id		-	- '	,	
• • •	+	+	a.mazumder@		<del>-</del> 5-15   DPT006						
in Shell)	DIPTA + 1 row in set	+		g.bracu.ac.bd   01700000007   2023-06 	+	‡					
in Shell)  No 2 Query	1 row in set	+ (0.003 sec)		nployee_id,phone_number,s	· <del>i</del>		d for a				(colort

No 2 SS (of Query & Output in Shell)	<pre>MariaDB [company_22301242]&gt; select first_name,last_name,employee_id,phone_number,salary,department_id     -&gt; from employee e1     -&gt; where salary=(select min(salary)from employee e2 where e1.department_id=e2.department_id);</pre>								
	first_name   last_name   employee_id   phone_number   salary   department_id								
	MD. SABBIR								
No 3 Query (as Plain Text)	select first_name,last_name,employee_id,commission_pct,department_id from employee where department_id='DPT007 and commission_pct < all(select commission_pct from employee where department_id='DPT005');								
No 3 SS (of Query & Output in Shell)	<pre>MariaDB [company_22301242]&gt; select first_name,last_name,employee_id,commission_pct,department_id     -&gt; from employee     -&gt; where department_id='DPT007'     -&gt; and commission_pct &lt; all(select commission_pct from employee where department_id='DPT005'); +</pre>								
	first_name   last_name   employee_id   commission_pct   department_id   ++   RAKIB								

No 4 Query (as Plain Text)	select department_id,count(employee_id) from employee group by department_id having max(salary)<=30000;
No 4 SS (of Query & Output in Shell)	MariaDB [company_22301242]> select department_id,count(employee_id) from employee group by department_id having max(salary)<=30000; Empty set (0.001 sec)
No 5 Query (as Plain Text)	select distinct e1.department_id, e1.job_id, e1.commission_pct from Employee e1 join Employee e2 on e1.department_id=e2.department_id and e1.commission_pct <e2.commission_pct;< td=""></e2.commission_pct;<>
No 5 SS (of Query & Output in Shell)	MariaDB [company_22301242]> select distinct e1.department_id, e1.job_id, e1.commission_pct from Employee e1 join Employee e2 on e1.department_id=e2.department_id and e1.commission_pct;
No 6 Query (as Plain Text)	select distinct manager_id from Employee e1 where exists(select*from Employee e2 where e2.manager_id= e1.manager_id and e2.salary<3500);
No 6 SS (of Query & Output in Shell)	MariaDB [company_22301242]> select distinct manager_id from Employee e1 where exists(select*from Employee e2 where e2.manager_id= e1.manager_id and e2.salary<3500). Empty set (0.001 sec)

j. <u>–</u>	. –	employee_id	email			commission_pct	
GAZI FAHMID	ERAZ	EMP004	gazi.fahmid.eraz@g.bracu.ac.bd	55000	DPT001	0.090	
CHOWDHURY ASEER		EMP010	chowdhury.aseer.ruthbah@g.bracu.ac.bd	57000	DPT001	0.095	
RAKIB MUHAMMAD SADMAN	HASAN NOOR	EMP005   EMP009	rakib.hasan1@g.bracu.ac.bd muhammad.sadman.noor@g.bracu.ac.bd	40000 52000	DPT007   DPT002	0.070     0.110	
FAHIM IBN	MIZAN	EMP003	fahim.ibn.mizan@g.bracu.ac.bd	60000	DPT002	0.110	
MD. SABBIR	AKON	EMP001	md.sabbir.akon@g.bracu.ac.bd	50000	DPT002	0.100	
MD. SHOYEB	ISLAM	EMP002	md.shoyeb.islam@g.bracu.ac.bd	45000	DPT004	0.080	
RASHED UL	ISLAM	EMP008	rashed.ul.islam@g.bracu.ac.bd	48000	DPT004	0.100	