



CNG 351 Assignment 4

Team Members:

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Use Case 1

FindJob

Queries:

1:

```
SELECT member_id, name, surname, tel  
FROM Member;
```

MEMBER_ID	NAME	SURNAME	TEL
4094	Lesley	Glison	3157117898
1333	Teddy	Studdeard	4374040869
9888	Gale	Etty	2594272038
7324	Katti	Broggini	9195006297
3088	Yeliz	Yesilada	5905773542

2:

```
SELECT group_name, creation_date  
FROM GroupInfo  
WHERE created_by=1333  
AND group_type='Unlisted';
```

GROUP_NAME	CREATION_
Education	13-JUN-16

3:

```
SELECT name, surname, email
FROM Member, GroupInfo
WHERE created_by=member_id
AND group_type='Standard'
AND creation_date>TO_DATE('01-01-2022','DD-MM-YYYY');
```

NAME	SURNAME

EMAIL	

Katti	Broggini
kbroggini8@photobucket.com	
Teddy	Studdeard
tstuddeard6@theglobeandmail.com	

4:

```
SELECT p.title, p.content
FROM post p, (SELECT connection_member_id
               FROM ConnectionList
              WHERE member_id=(SELECT member_id
                                FROM member
                               WHERE name='Yeliz' AND surname='Yesilada')
                     ) c
WHERE c.connection_member_id=p.posted_by;
```

TITLE	

CONTENT	

Winning	
If winning is not everything...why do we keep score?	

Java programming codeGO	
This competition where all contest fosters creativity, teamwork, and innovation in building new software programs, and enables students to test their ability to perform under pressure.	

5:

```
SELECT m.name, m.surname, group_name, manager.name, manager.surname
FROM Member m, GroupInfo g, Company c, Member manager
WHERE companyname='Curiosity'
AND c.company_id=m.company_id
AND created_by=m.member_id
AND manager_id=manager.member_id;
```

NAME	SURNAME	GROUP_NAME
NAME	SURNAME	
Katti	Broggini	Art
Katti	Broggini	
Katti	Broggini	Next Sports
Lesley	Glison	

6:

```
SELECT m.name, m.surname, t.attempts
FROM member m, (SELECT at.member_id, count(at.member_id) as attempts
    FROM AssessmentTaken at, (SELECT assessment_id
        FROM Assessment
        WHERE name='Introduction to Phyton') a
        WHERE at.assessment_id=a.assessment_id
        group by at.member_id) t
    where t.member_id=m.member_id;
```

NAME	SURNAME	ATTEMPTS
Teddy	Studdeard	3
Katti	Broggini	1

Use Case 2

NCCCloud

Tables:

User:

USERNAME	NAME	SURNAME
EMAIL	DOB	
nheinritz0	Nil	Heinritz
nheinritz0@gmail.com	24-JUN-97	
ssolan5	Salim	Sloan
ssolan5@gmail.com	24-JUN-97	
mrozenbaum1	Rozen	Baum
mrozenbaum1@gmail.com	06-MAR-90	

USERNAME	NAME	SURNAME
EMAIL	DOB	
irevie3	David	Irevie
irevie3@gmail.com	22-MAY-98	

Subscription:

SUBSCRIPTION_ID	TYPE	MONTHLY_PRICE	PAYMENT_TYPE
1	high	450	credit-card
2	mid	350	PayPal
3	low	150	bank-transfer
4	high	450	credit-card
5	low	450	credit-card

UserSubscription:

USERNAME	SUBSCRIPTION_ID	START_DATE	END_DATE
nheinritz0	1	18-FEB-21	18-OCT-21
ssolan5	2	23-MAY-22	23-MAY-23
mrozenbaum1	3	03-DEC-22	03-JUN-23
irevie3	5	11-APR-21	31-DEC-23
nheinritz0	4	19-OCT-21	19-OCT-22

Game:

GAME_ID GAME_NAME

GAME_DESCRIPTION

1 God of War: Ragnarok

God of War Ragnarök is an action-adventure game developed by Santa Monica Studio and published by Sony Interactive Entertainment. It was released worldwide on November 9, 2022, for the PlayStation 4 and PlayStation 5, marking the first cross-gen release in the God of War series.

2 Cyberpunk 2077

Cyberpunk 2077 is an action role-playing video game developed by CD Projekt Red and published by CD Projekt. The story takes place in Night City, an open world

GAME_ID GAME_NAME

GAME_DESCRIPTION

set in the Cyberpunk universe.

3 Assassins Creed Valhalla

Assassins Creed Valhalla is a 2020 action role-playing video game developed by Ubisoft Montreal and published by Ubisoft. It is the twelfth major installment in the Assassins Creed series, and the successor to 2018's Assassins Creed Odyssey.

4 The Witcher 3: Wild Hunt

The Witcher 3: Wild Hunt is a 2015 action role-playing game developed and publis

GAME_ID GAME_NAME

GAME_DESCRIPTION

hed by CD Projekt. It is the sequel to the 2011 game The Witcher 2: Assassins of Kings and the third game in The Witcher video game series, played in an open world with a third-person perspective.

5 Dont Starve Together

Dont Starve Together is the standalone multiplayer expansion of the uncompromising wilderness survival game, Dont Starve. Now including Reign of Giants; adding new characters, seasons, creatures, biomes, and Giant new challenges to Dont Starve Together.

GAME_ID GAME_NAME

GAME_DESCRIPTION

6 We Were Here Together

Embark on a puzzle solving adventure in which you and a partner must prove you can communicate and work together to escape the haunted Castle Rock.

6 rows selected.

Library:

LIBRARY_CONNECTION_TOKEN	LIBRARY_NAME
<hr/>	
USERNAME	
044e61f9d672 nheinritz0	Steam
9f9d8e6173ea ssolan5	Epic Games
074a94021595 mrozenbaum1	Steam
LIBRARY_CONNECTION_TOKEN	LIBRARY_NAME
<hr/>	
USERNAME	
881cd083a7c2 irevie3	Steam
1e89613783dd irevie3	Epic Games

LibraryGame:

LIBRARY_CONNECTION_TOKEN	GAME_ID
044e61f9d672	1
044e61f9d672	3
044e61f9d672	4
9f9d8e6173ea	2
074a94021595	5
074a94021595	6
074a94021595	4
1e89613783dd	2
1e89613783dd	3
881cd083a7c2	1
881cd083a7c2	4
11 rows selected.	

Computer:

ID	PRICE	CPU	TIME_BOUG	MAINTENAN
GPU				
1	12000	AMD Ryzen 3 4100 Processo		
Nvdia GTX 1650			15-MAR-21	21-DEC-21
2	36000	Intel® Core™ i7-12700F Processor		
Nvdia RTX 3080			27-JAN-22	30-JUN-22
3	66000	Intel® Core™ i9-12900K Processor		
Nvdia RTX 3090			06-MAY-22	06-NOV-22
ID	PRICE	CPU	TIME_BOUG	MAINTENAN
GPU				
4	12000	AMD Ryzen 3 4100 Processo		
Nvdia GTX 1650			15-MAR-21	21-DEC-21
5	36000	Intel® Core™ i7-12700F Processor		
Nvdia RTX 3080			27-JAN-22	30-JUN-22
6	66000	Intel® Core™ i9-12900K Processor		
Nvdia RTX 3090			06-MAY-22	06-NOV-22
ID	PRICE	CPU	TIME_BOUG	MAINTENAN
GPU				
7	12000	AMD Ryzen 3 4100 Processo		
Nvdia GTX 1650			15-MAR-21	21-DEC-21
8	66000	Intel® Core™ i9-12900K Processor		
Nvdia RTX 3090			06-MAY-22	06-NOV-22
9	36000	Intel® Core™ i7-12700F Processor		
Nvdia RTX 3080			27-JAN-22	30-JUN-22

ID	PRICE	CPU	TIME_BOUG	MAINTENAN
GPU				
10	12000	AMD Ryzen 3 4100 Processo	15-MAR-21	21-DEC-21
Nvdia GTX 1650				
11	66000	Intel® Core™ i9-12900K Processor	06-MAY-22	06-NOV-22
Nvdia RTX 3090				
12	36000	Intel® Core™ i7-12700F Processor	27-JAN-22	30-JUN-22
Nvdia RTX 3080				
ID	PRICE	CPU	TIME_BOUG	MAINTENAN
GPU				
13	66000	Intel® Core™ i9-12900K Processor	06-MAY-22	06-NOV-22
Nvdia RTX 3090				
14	66000	Intel® Core™ i9-12900K Processor	06-MAY-22	06-NOV-22
Nvdia RTX 3090				
15	36000	Intel® Core™ i7-12700F Processor	27-JAN-22	30-JUN-22
Nvdia RTX 3080				
ID	PRICE	CPU	TIME_BOUG	MAINTENAN
GPU				
16	66000	Intel® Core™ i9-12900K Processor	06-MAY-22	06-NOV-22
Nvdia RTX 3090				
17	36000	Intel® Core™ i7-12700F Processor	27-JAN-22	30-JUN-22
Nvdia RTX 3080				
18	36000	Intel® Core™ i7-12700F Processor	27-JAN-22	30-JUN-22
Nvdia RTX 3080				
ID	PRICE	CPU	TIME_BOUG	MAINTENAN
GPU				
19	12000	AMD Ryzen 3 4100 Processo	15-MAR-21	21-DEC-21
Nvdia GTX 1650				

19 rows selected.

PlaySession:

END_DATE	GAME_ID	COMPUTER_ID	LIBRARY_CONNECTION_TOKEN	START_DATE
10-OCT-22	1	4	044e61f9d672	10-OCT-22
08-NOV-22	2	2	9f9d8e6173ea	08-NOV-22
23-APR-22	6	6	074a94021595	23-APR-22
END_DATE	GAME_ID	COMPUTER_ID	LIBRARY_CONNECTION_TOKEN	START_DATE
18-OCT-22	3	3	1e89613783dd	18-OCT-22
14-OCT-22	3	1	044e61f9d672	14-OCT-22
23-APR-22	2	10	9f9d8e6173ea	23-APR-22
END_DATE	GAME_ID	COMPUTER_ID	LIBRARY_CONNECTION_TOKEN	START_DATE
16-OCT-22	5	12	074a94021595	16-OCT-22
14-NOV-22	4	8	881cd083a7c2	13-NOV-22
14-NOV-22	4	19	044e61f9d672	13-NOV-22

9 rows selected.

Queries:

1:

```
SELECT username, name, surname, dob  
FROM Userp;
```

USERNAME	NAME	SURNAME	DOB
nheinritz0	Nil	Heinritz	24-JUN-97
ssolan5	Salim	Sloan	24-JUN-97
mrozenbaum1	Rozen	Baum	06-MAR-90
irevie3	David	Irevie	22-MAY-98

2:

```
SELECT id, price, cpu, gpu  
FROM Computer  
WHERE price>15000  
AND time_bought>TO_DATE('30-01-2022','DD-MM-YYYY')  
AND maintenance_date>TO_DATE('10-06-2022','DD-MM-YYYY');
```

ID	PRICE	CPU
GPU		
3	66000	Intel® Core™ i9-12900K Processor
Nvdia RTX 3090		
6	66000	Intel® Core™ i9-12900K Processor
Nvdia RTX 3090		
8	66000	Intel® Core™ i9-12900K Processor
Nvdia RTX 3090		
ID	PRICE	CPU
GPU		
11	66000	Intel® Core™ i9-12900K Processor
Nvdia RTX 3090		
13	66000	Intel® Core™ i9-12900K Processor
Nvdia RTX 3090		
14	66000	Intel® Core™ i9-12900K Processor
Nvdia RTX 3090		
ID	PRICE	CPU
GPU		
16	66000	Intel® Core™ i9-12900K Processor
Nvdia RTX 3090		

7 rows selected.

3:

```
SELECT name, surname
FROM Userp u, UserSubscription us
WHERE start_date>TO_DATE('01-01-2022','DD-MM-YYYY')
AND u.username=us.username;
```

NAME	SURNAME
Salim	Sloan
Rozen	Baum

4:

```
SELECT name, surname, game_id
FROM Userp u, Library l, LibraryGame lg
WHERE l.library_connection_token=lg.library_connection_token
AND u.username=l.username;
```

NAME	SURNAME	GAME_ID
Nil	Heinritz	1
Nil	Heinritz	3
Nil	Heinritz	4
Salim	Sloan	2
Rozen	Baum	5
Rozen	Baum	6
Rozen	Baum	4
David	Irevie	2
David	Irevie	3
David	Irevie	1
David	Irevie	4

11 rows selected.

5:

```
SELECT name, surname
FROM Userp u, Game g, PlaySession p, Library l, Computer c
WHERE game_name='Assassins Creed Valhalla'
AND p.game_id=g.game_id
AND p.start_date>TO_DATE('17-10-2022','DD-MM-YYYY')
AND p.library_connection_token=l.library_connection_token
AND u.username=l.username
AND p.computer_id=c.id
AND gpu='Nvdia RTX 3090';
```

NAME	SURNAME
David	Irevie

6:

```
SELECT u.name, u.surname, SUM((24*(p.end_date-p.start_date))) AS playtime_hours
FROM Userp u, Game g, PlaySession p, Library l
WHERE game_name='Assassins Creed Valhalla'
AND p.game_id=g.game_id
AND p.library_connection_token=l.library_connection_token
AND u.username=l.username
GROUP BY u.name, u.surname;
```

NAME	SURNAME	PLAYTIME_HOURS
David	Irevie	.3833333333
Nil	Heinritz	1.983333333