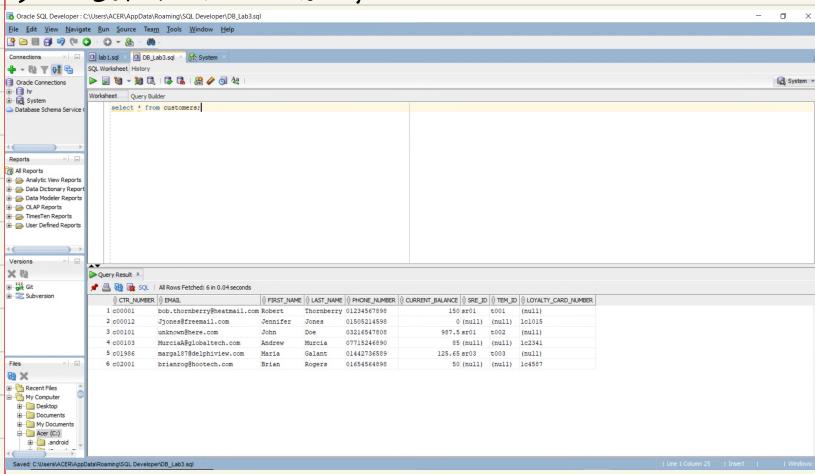


Part 1

Part 1

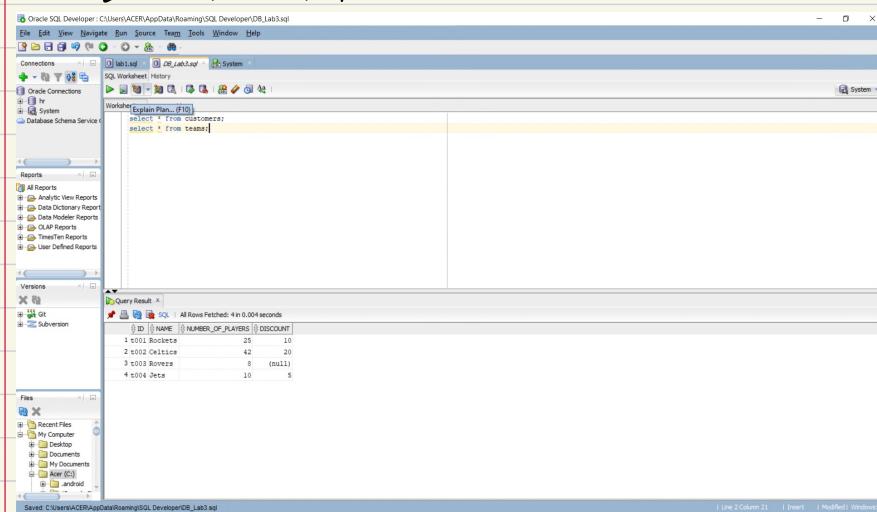
1) SELECT * FROM customers;



The screenshot shows the Oracle SQL Developer interface. The 'Worksheet' tab is active, displaying the query: 'select * from customers;'. Below the worksheet is the 'Query Result' pane, which shows the output of the query. The output table has columns: CTR_NUMBER, EMAIL, FIRST_NAME, LAST_NAME, PHONE_NUMBER, CURRENT_BALANCE, SRF_ID, TBL_ID, and LOYALTY_CARD_NUMBER. The data contains 6 rows of customer information.

CTR_NUMBER	EMAIL	FIRST_NAME	LAST_NAME	PHONE_NUMBER	CURRENT_BALANCE	SRF_ID	TBL_ID	LOYALTY_CARD_NUMBER
1 00001	bob.thunderberry@beattmail.com	Robert	Thunderberry	01124547898	150.00	t001	(null)	
2 00002	jordan@nike.com	Michael	Jordan	032124547800	100.00	t002	(null)	
3 00011	willie@nba.com	John	Willie	07715244990	987.50	t003	(null)	
4 00013	Murcia@globaltech.com	Andrew	Murcia	0142744659	65.00	t004	1c2341	
5 00196	margolin@phiphew.com	Maria	Galant	0142744659	125.45	t003	(null)	
6 00201	brian@nba.com	Brian	Rogers	01454544990	55.00	t001	1e45f7	

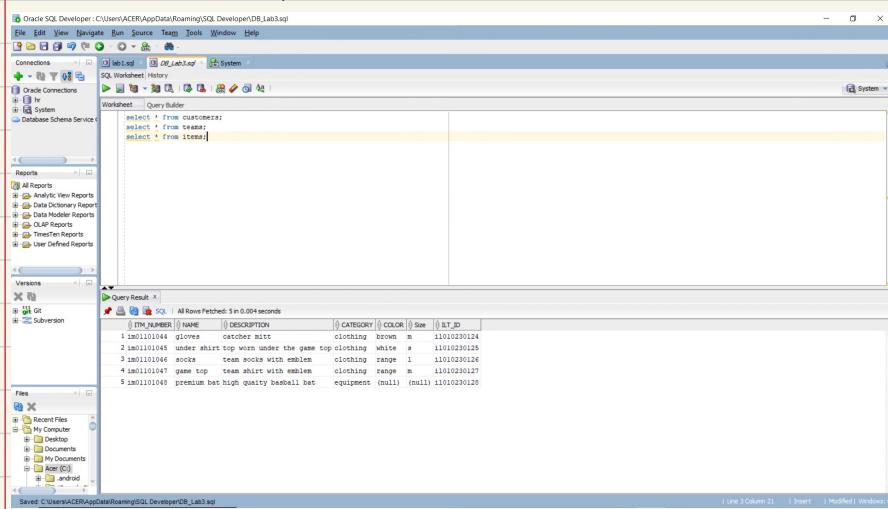
2) SELECT * FROM teams;



The screenshot shows the Oracle SQL Developer interface. The 'Worksheet' tab is active, displaying the query: 'select * from teams;'. Below the worksheet is the 'Query Result' pane, which shows the output of the query. The output table has columns: ID, NAME, NUMBER_OF_PLAYERS, and DISCOUNT. The data contains 4 rows of team information.

ID	NAME	NUMBER_OF_PLAYERS	DISCOUNT
1 0001	Rockets	25	10
2 0002	Celtics	42	20
3 0003	Browns	8	(null)
4 0004	Jets	10	5

3) SELECT * FROM items;



The screenshot shows the Oracle SQL Developer interface. The 'Worksheet' tab is active, displaying the query: 'select * from customers; select * from teams; select * from items;'. Below the worksheet is the 'Query Result' pane, which shows the output of the query. The output table has columns: ITEM_NUMBER, NAME, DESCRIPTION, CATEGORY, COLOR, Size, and BLT_ID. The data contains 5 rows of item information.

ITEM_NUMBER	NAME	DESCRIPTION	CATEGORY	COLOR	Size	BLT_ID
1 1001101044	gloves	catcher mitt	clothing	brown	m	11010230124
2 1001101045	under shirt	top worn under the game top	clothing	white	s	11010230125
3 1001101046	socks	team socks with emblem	clothing	range	l	11010230126
4 1001101047	game top	team top with emblem	clothing	black	xl	11010230127
5 1001101048	premium bat	high quality baseball bat	equipment	(null)	(null)	11010230128

Part 2

1) $\text{SELECT ctr_number, first_name, last_name, email, phone_number from customers;}$

The screenshot shows the Oracle SQL Developer interface. The 'Worksheet' tab is active, displaying the SQL query:

```
select * from customers;
select * from team;
select * from items;
select ctr_number, first_name, last_name, email, phone_number from customers;
```

The 'Query Result' tab shows the output of the query:

CTR_NUMBER	FIRST_NAME	LAST_NAME	EMAIL	PHONE_NUMBER
1	Robert	Jones	robertjones@gmail.com	0156214598
2	James	Jones	jones@email.com	0156214598
3	John	Doe	unknown@here.com	0321647908
4	Andrew	Marcia	Marcia@GlobalTech.com	0771524690
5	Maria	Galant	margalit@phiview.com	014274659
6	Brian	Rogers	briansrog@hootech.com	0165454498

2) $\text{SELECT name, number_of_players from teams;}$

The screenshot shows the Oracle SQL Developer interface. The 'Worksheet' tab is active, displaying the SQL query:

```
select * from customers;
select * from team;
select * from items;
select ctr_number, first_name, last_name, email, phone_number from customers;
select name, number_of_players from teams;
```

The 'Query Result' tab shows the output of the query:

NAME	NUMBER_OF_PLAYERS
1 Rockets	25
2 Celts	42
3 Bovers	8
4 Jets	10

3) $\text{SELECT name, description, category from items;}$

The screenshot shows the Oracle SQL Developer interface. The 'Worksheet' tab is active, displaying the SQL query:

```
select * from customers;
select * from team;
select * from items;
select ctr_number, first_name, last_name, email, phone_number from customers;
select name, description, category from items;
```

The 'Query Result' tab shows the output of the query:

NAME	DESCRIPTION	CATEGORY
1 gloves	catcher mitt	clothing
2 under shirt	top worn under the game top	clothing
3 socks	team socks with emblem	clothing
4 game top	team shirt with emblem	clothing
5 premium bat	high quality baseball bat	equipment

Part 2

Part I

1) SELECT first_name, last_name, current_balance, current_balance/12 from customers;

2) SELECT first name, last name, current balance, current balance-5 from customers;

The screenshot shows the Oracle SQL Developer interface. The title bar reads "SELECT FIRST_NAME, LAST_NAME, CURRENT_BALANCE, CURRENT_BALANCE-5 FROM CUSTOMERS". The main window has two tabs: "Worksheet" and "Query Result".

Worksheet Tab:

```
select * from customers;
select * from teams;
select * from items;

select c.first_name, first_name, last_name, email, phone_number from customers;
select name, number_of_players from teams;
select name, description, category from items;

--part2
select first_name, last_name, current_balance, current_balance-5 from customers;
select first_name, last_name, current_balance, current_balance-5 from customers;
```

Query Result Tab:

FIRST_NAME	LAST_NAME	CURRENT_BALANCE	CURRENT_BALANCE-5
1 Albert	Ginsberg	120.65	115
2 Jennifer	Jones	0	0
3 John	Doe	987.5	942.5
4 Andrew	Murcia	85	80
5 Maria	Galant	125.65	120.65
6 Brian	Rogers	50	45

3) Current balance cannot be zero

Part 2

1) SELECT first_name "First_Name", last_name "Last Name", current_balance "Balance",
current_balance/12 "Monthly Repayments" from customers;

The screenshot shows the Oracle SQL Developer interface with the following details:

- File Edit View Navigate Run Source Team Tools Window Help**
- Connections**: Shows connections to Oracle, hr, System, and Database Schema Services.
- Reports**: Shows reports like All Reports, Analytic View Reports, Data Dictionary Report, Data Modeler Reports, CLAP Reports, TimeTen Reports, and User Defined Reports.
- Versions**: Shows Git and Subversion integration.
- Files**: Shows recent files including My Computer, Desktop, Documents, Acer (C), and android.
- SQL Worksheet History**: Shows a history of queries.
- Worksheet Query Builder**: Contains the following SQL code:

```
select * from customers;
select * from teams;
select * from items;

select ctr_number, first_name, last_name, email, phone_number from customers;
select name, number_of_players from teams;
select name, description, category from items;

--part2
select first_name, last_name, current_balance, current_balance/12 from customers;
select first_name, last_name, current_balance, current_balance-5 from customers;
select first_name||'First Name', last_name||'Last Name', current_balance||'Balance', current_balance/12||'Monthly Repayments' from customers;
```
- Query Result**: Shows the results of the query:

First Name	Last Name	Balance	Monthly Repayments
Robert	Thornberry	12.5	1.0416666666666666
Christopher	Lee	0	0.0000000000000000
John	Doe	987.5	82.29166666666666
Andrew	Murcia	7.0	0.5833333333333333
Maria	Galant	125.65	10.43833333333333
Brian	Rogers	45.65	3.772083333333333
- Status Bar**: Shows "All Rows Fetched: 6 in 0.002 seconds".
- Bottom Bar**: Shows "Line 13 Column 134 | Insert | Modified | Windows...".

Part 3

1) SELECT 'The' || name || 'team has' || number_of_players || 'and receive a discount of' || percent.
"Team Information" from teams

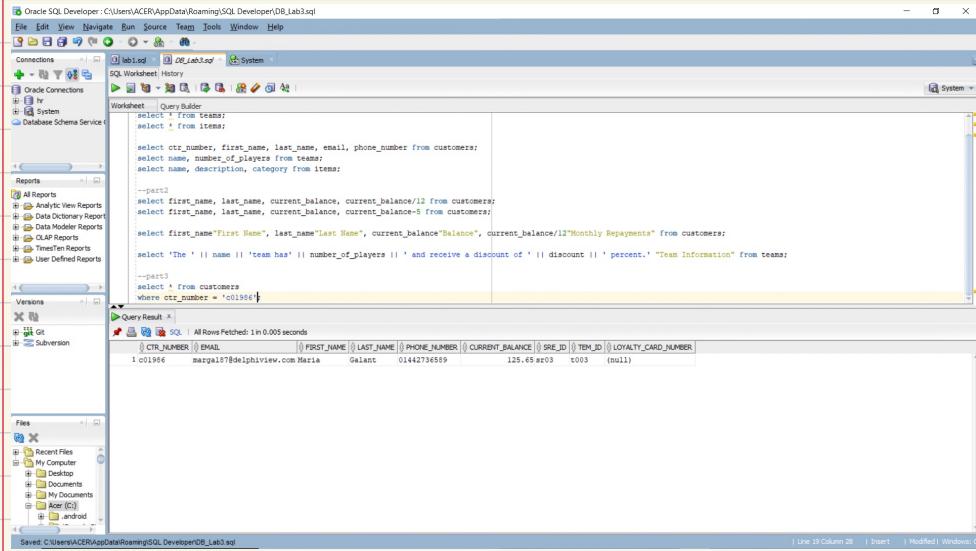
2) The value for discount is NULL, not represent to any value.

Part 2

Part 1

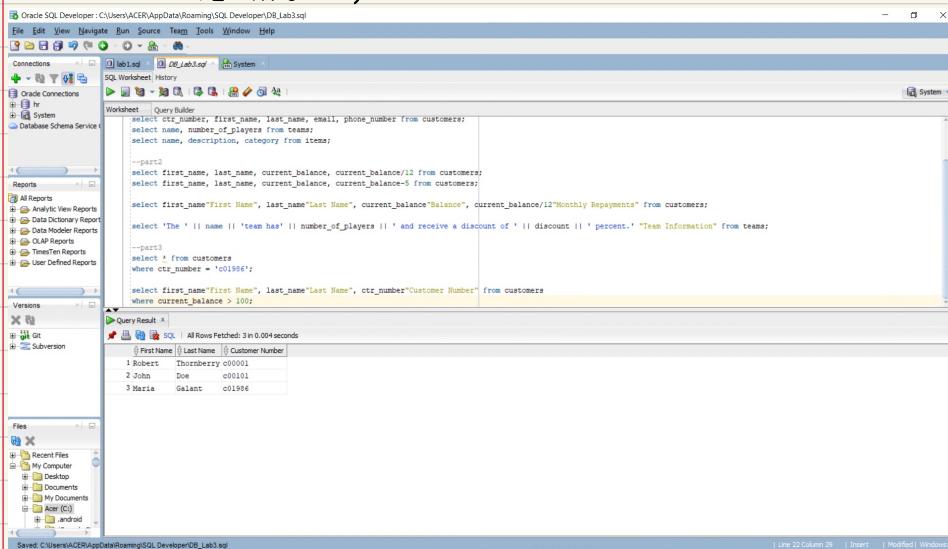
1) `SELECT * FROM customers`

`WHERE ctr_number = 'C01986';`



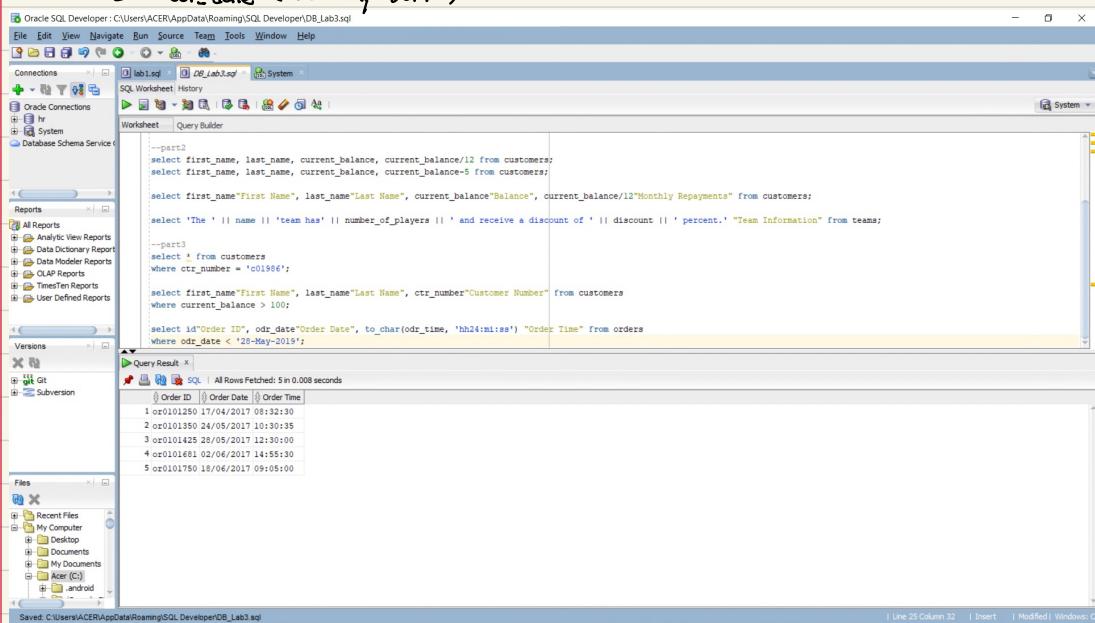
```
Oracle SQL Developer: C:\Users\ACER\AppData\Roaming\SQL Developer\DB_Lab3.sql
File Edit View Navigate Run Source Team Tools Window Help
DB_Lab3.sql System
Connections Oracle Connections Oracle Database Schema Service
Reports All Reports Analytic View Reports Data Dictionary Report Data Modeler Reports OLAP Reports TimeTen Reports User Defined Reports
Versions Git Subversion
File Recent Files My Computer Desktop My Documents My Downloads Kali (C:) Android
Saved C:\Users\ACER\AppData\Roaming\SQL Developer\DB_Lab3.sql
Query Builder Worksheet History System
Query Builder Worksheet History System
Worksheet Query Builder
SELECT * FROM teams;
select * from items;
select ctr_number, first_name, last_name, email, phone_number from customers;
select name, number_of_players from teams;
select name, description, category from items;
--part1
select first_name, last_name, current_balance, current_balance/12 from customers;
select first_name, last_name, current_balance, current_balance-5 from customers;
select first_name "First Name", last_name "Last Name", current_balance "Balance", current_balance/12 "Monthly Repayments" from customers;
select 'The ' || name || 'team has ' || number_of_players || ' and receive a discount of ' || discount || ' percent.' "Team Information" from teams;
--part3
select * from customers
where ctr_number = 'C01986';
Query Result
SQL | All Rows Parsed: 1 in 0.005 seconds
CTR_NUMBER | EMAIL | FIRST_NAME | LAST_NAME | PHONE_NUMBER | CURRENT_BALANCE | SRE_ID | ITEM_ID | LOYALTY_CARD_NUMBER
1 C01986 | maria1986@delphiview.com | Maria | Galant | 01442736589 | 125.65 | #03 | t003 | (null)
Line 19 Column 28 | Insert | Modified | Windows: O
```

2) `SELECT first_name "First Name", last_name "Last Name", ctr_number "Customer Number" FROM customers`
`WHERE current_balance >100;`



```
Oracle SQL Developer: C:\Users\ACER\AppData\Roaming\SQL Developer\DB_Lab3.sql
File Edit View Navigate Run Source Team Tools Window Help
DB_Lab3.sql System
Connections Oracle Connections Oracle Database Schema Service
Reports All Reports Analytic View Reports Data Dictionary Report Data Modeler Reports OLAP Reports TimeTen Reports User Defined Reports
Versions Git Subversion
File Recent Files My Computer Desktop My Documents My Downloads Kali (C:) Android
Saved C:\Users\ACER\AppData\Roaming\SQL Developer\DB_Lab3.sql
Query Builder Worksheet History System
Query Builder Worksheet History System
Worksheet Query Builder
SELECT * FROM teams;
select * from items;
select ctr_number, first_name, last_name, email, phone_number from customers;
select name, description, category from items;
--part1
select first_name, last_name, current_balance, current_balance/12 from customers;
select first_name, last_name, current_balance, current_balance-5 from customers;
select first_name "First Name", last_name "Last Name", current_balance "Balance", current_balance/12 "Monthly Repayments" from customers;
select 'The ' || name || 'team has ' || number_of_players || ' and receive a discount of ' || discount || ' percent.' "Team Information" from teams;
--part3
select * from customers
where ctr_number = 'C01986';
select first_name "First Name", last_name "Last Name", ctr_number "Customer Number" from customers
where current_balance > 100;
Query Result
SQL | All Rows Parsed: 3 in 0.004 seconds
First Name | Last Name | Customer Number
Robert | Thornberry | 000001
John | Doe | c00101
Maria | Galant | C01986
Line 22 Column 29 | Insert | Modified | Windows: O
```

⑤ SELECT id "Order ID", odr_date "Order Date", to_char(odr_time, 'hh24:mi:ss') "Order Time" FROM orders
 WHERE odr_date < '28-May-2019';



The screenshot shows the Oracle SQL Developer interface. The top menu bar includes File, Edit, View, Navigate, Run, Source, Team, Tools, Window, and Help. The left sidebar contains sections for Connections (Oracle Connections, hr, System), Database Schema Service (Reports, All Reports, Analytic View Reports, Data Dictionary Report, Data Modeler Reports, OLAP Reports, TimesTen Reports, User Defined Reports), Versions (Git, Subversion), and Files (Recent Files, My Computer, Desktop, Documents, My Documents, User (C:)). The main workspace has tabs for lab1.sql and DB_Lab3.sql. The DB_Lab3.sql tab is active, displaying the following SQL code:

```

--part2
select first_name, last_name, current_balance, current_balance/12 from customers;
select first_name, last_name, current_balance, current_balance-5 from customers;

select first_name"First Name", last_name"Last Name", current_balance"Balance", current_balance/12"Monthly Repayments" from customers;

select 'The ' || name || 'team has' || number_of_players || ' and receive a discount of ' || discount || ' percent.' "Team Information" from teams;

--part3
select * from customers
where ctr_number = 'c01986';

select first_name"First Name", last_name"Last Name", ctr_number"Customer Number" from customers
where current_balance > 100;

select id"Order ID", odr_date"Order Date", to_char(odr_time, 'hh24:mi:ss') "Order Time" from orders
where odr_date < '28-May-2019';
  
```

The Query Result window shows the following data:

Order ID	Order Date	Order Time
1	0101250	17/04/2017 08:32:30
2	0101350	24/05/2017 10:30:35
3	0101425	28/05/2017 12:30:00
4	0101481	02/06/2017 14:55:30
5	0101750	18/06/2017 09:05:00

The status bar at the bottom indicates: Saved: C:\Users\ACER\AppData\Roaming\SQL Developer\DB_Lab3.sql | Line 25 Column 32 | Insert | Modified | Windows: 0

Part 2

D) SELECT id "Inventory ID", cost "Cost", units "Number of Units" FROM inventory_list
WHERE cost BETWEEN 3.00 AND 15.00;

The screenshot shows the Oracle SQL Developer interface. The left sidebar contains connections to 'hr' and 'System', and a 'Reports' section with various report types. The main area has a 'Query Builder' tab open. The code entered is:

```
select first_name, last_name, current_balance, current_balance-5 from customers;
select first_name "First Name", last_name "Last Name", current_balance "Balance", current_balance/12 "Monthly Repayments" from customers;
select 'The ' || name || ' team has' || number_of_players || ' and receive a discount of ' || discount || ' percent.' "Team Information" from teams;
--part3
select * from customers
where ctr_number = 'c01986';
select first_name "First Name", last_name "Last Name", ctr_number "Customer Number" from customers
where current_balance > 100;
select id"Order ID", odr_date"Order Date", to_char(odr_time, 'hh24:mi:ss') "Order Time" from orders
where odr_date < '28-May-2019';
select id"Inventory ID", cost"Cost", units"Number of Units" from inventory_list
where cost between 3.00 and 15.00;
```

The 'Query Result' pane shows the output:

Inventory ID	Cost	Number of Units
111010230125	7.99	250
111010230126	8.24	87

Part 3

1. SELECT id "Inventory ID", cost "Cost", units "Number of Units" FROM inventory_list
WHERE units in (50, 100, 150, 200);

The screenshot shows the Oracle SQL Developer interface. The left sidebar contains connections to 'hr' and 'System', and a 'Reports' section with various report types. The main area has a 'Query Builder' tab open. The code entered is:

```
select 'The ' || name || ' team has' || number_of_players || ' and receive a discount of ' || discount || ' percent.' "Team Information" from teams;
--part3
select * from customers
where ctr_number = 'c01986';
select first_name "First Name", last_name "Last Name", ctr_number "Customer Number" from customers
where current_balance > 100;
select id"Order ID", odr_date"Order Date", to_char(odr_time, 'hh24:mi:ss') "Order Time" from orders
where odr_date < '28-May-2019';
select id"Inventory ID", cost"Cost", units"Number of Units" from inventory_list
where cost between 3.00 and 15.00;
select id"Inventory ID", cost"Cost", units"Number of Units" from inventory_list
where units in (50, 100, 150, 200);
```

The 'Query Result' pane shows the output:

Inventory ID	Cost	Number of Units
111010230124	2.5	100

Part 4

1. SELECT id "Inventory ID", cost "Cost", units "Number of Units" FROM inventory_list
WHERE units not in (50, 100, 150, 200);

The screenshot shows the Oracle SQL Developer interface. The 'Worksheet' tab is active, displaying the following SQL query:

```
--P4Q1
select * from customers
where ctr_number = 'c01986';

select first_name"First Name", last_name"Last Name", ctr_number"Customer Number" from customers
where current_balance > 100;

select id"Order ID", odr_date"Order Date", to_char(odr_time, 'hh24:mi:ss') "Order Time" from orders
where odr_date < '28-May-2019';

select id"Inventory ID", cost"Cost", units"Number of Units" from inventory_list
where cost between 3.00 and 15.00;

select id"Inventory ID", cost"Cost", units"Number of Units" from inventory_list
where units in (50, 100, 150, 200);

select id"Inventory ID", cost"Cost", units"Number of Units" from inventory_list
where units not in (50, 100, 150, 200);
```

The 'Query Result' tab shows the output of the last query:

Inventory ID	Cost	Number of Units
1 i11010230125	7.99	250
2 i11010230126	5.24	87
3 i11010230127	18.95	65
4 i11010230128	97.46	8

Part 5

D) SELECT item_number "Item Number", name "Item Name" FROM items
WHERE name LIKE 'g%';

The screenshot shows the Oracle SQL Developer interface. The 'Worksheet' tab is active, displaying the following SQL query:

```
--P5Q1
select first_name"First Name", last_name"Last Name", ctr_number"Customer Number" from customers
where current_balance > 100;

select id"Order ID", odr_date"Order Date", to_char(odr_time, 'hh24:mi:ss') "Order Time" from orders
where odr_date < '28-May-2019';

select id"Inventory ID", cost"Cost", units"Number of Units" from inventory_list
where cost between 3.00 and 15.00;

select id"Inventory ID", cost"Cost", units"Number of Units" from inventory_list
where units in (50, 100, 150, 200);

select id"Inventory ID", cost"Cost", units"Number of Units" from inventory_list
where units not in (50, 100, 150, 200);

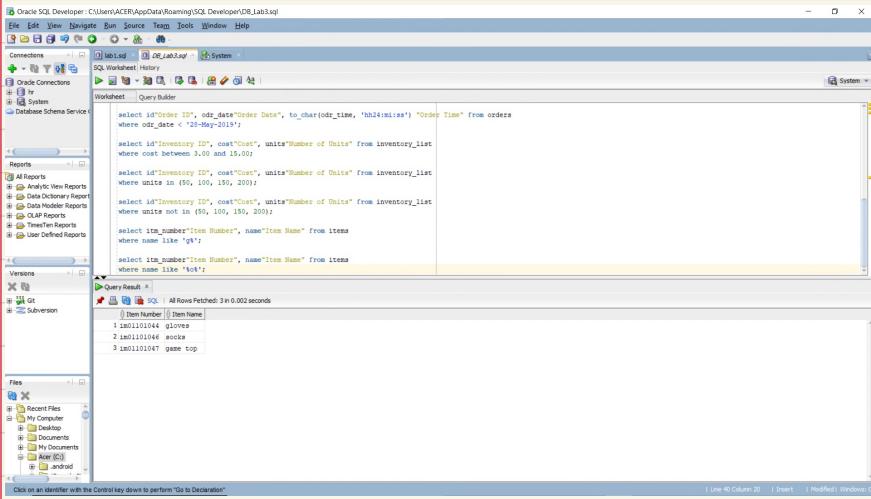
select item_number"Item Number", name"Item Name" from items
where name like 'g%';
```

The 'Query Result' tab shows the output of the last query:

Item Number	Item Name
1 im01101044	gloves
2 im01101047	game top

Part 6

1) `SELECT item_number "Item Number", name "Item Name" FROM item
WHERE name like '%0%';`



The screenshot shows the Oracle SQL Developer interface. The 'SQL Worksheet' tab is active, displaying the following SQL code:

```
select item_number "Item Number", name "Item Name" FROM item  
WHERE name like '%0%';
```

The results pane shows the output of the query:

Item Number	Item Name
1 im01101041	gloves
2 im01101042	socks
3 im01101044	game top

Part 4

Part 1

1) SELECT 'The' || name || 'team has' || number_of_players || 'players and does not receive a discount.' "Team Information"
FROM teams

WHERE discount is NULL;

The screenshot shows the Oracle SQL Developer interface with the following details:

- File Path:** Oracle SQL Developer : C:\Users\ACER\AppData\Roaming\SQL Developer\DB_Lab3.sql
- Connections:** Oracle Connections, System
- Reports:** All Reports, Analytic View Reports, Data Dictionary Report, OLAP Reports, TimesTen Reports, User Defined Reports
- Versions:** Git, Subversion
- Files:** Recent Files, My Computer, Desktop, Documents, My Documents, Acer (C:) - android

Query Builder: Shows the query:

```
select 'The ' || name || ' team has ' || number_of_players || ' players and does not receive a discount.' "Team Information" from teams  
where discount is null;
```

Query Result: Shows the output:

```
1 The Rovers team has 8 players and does not receive a discount.
```

2) SELECT 'The' || name || 'team has' || number_of_players || 'players and receive a discount of' || discount || 'percent'
"Team Information" FROM teams

WHERE discount is NOT NULL;

The screenshot shows the Oracle SQL Developer interface with the following details:

- File Path:** Oracle SQL Developer : C:\Users\ACER\AppData\Roaming\SQL Developer\DB_Lab3.sql
- Connections:** Oracle Connections, System
- Reports:** All Reports, Analytic View Reports, Data Dictionary Report, OLAP Reports, TimesTen Reports, User Defined Reports
- Versions:** Git, Subversion
- Files:** Recent Files, My Computer, Desktop, Documents, My Documents, Acer (C:) - android

Query Builder: Shows the query:

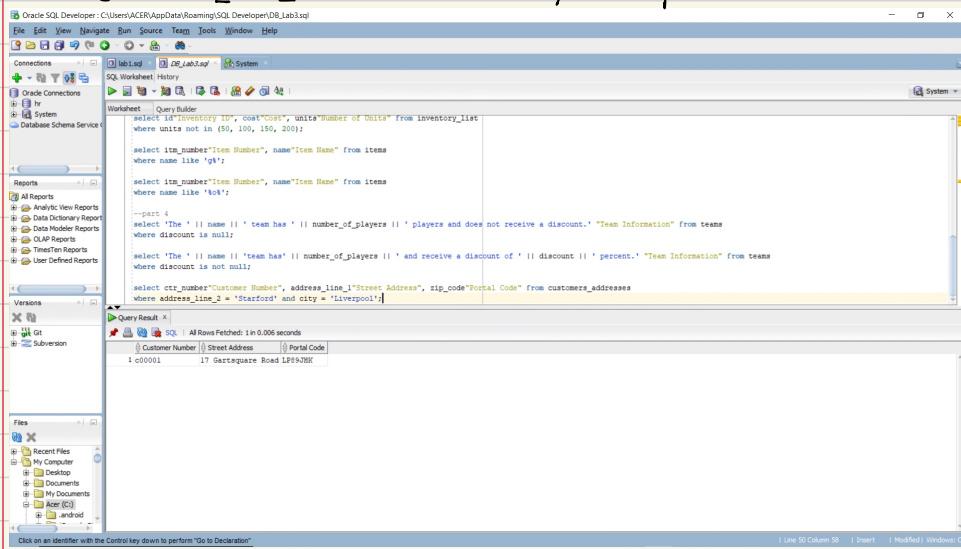
```
select 'The ' || name || ' team has ' || number_of_players || ' players and receive a discount of' || discount || ' percent.' "Team Information" from teams  
where discount is not null;
```

Query Result: Shows the output:

```
1 The Rocketsteam has25 and receive a discount of 10 percent.  
2 The Celticsteam has42 and receive a discount of 20 percent.  
3 The Jetsteam has10 and receive a discount of 5 percent.
```

Part 2

1) SELECT ctr_number "Customer Number", address_line_1 "Street Address", zip_code "Postal Code"
FROM customer_addresses
WHERE address_line_2 = 'Starford' and city = 'Liverpool';



```
Oracle SQL Developer: C:\Users\ACER\AppData\Roaming\SQL Developer\Lab3.sql
File Edit View Navigate Run Source Team Tools Window Help
lab1.log 06_Lab2.log System
Connections Oracle Connections hr System Database Schema Service
Reports All Reports Analytic View Reports Data Dictionary Report Data Model Reports OLAP Reports TimeTen Reports User Defined Reports
Versions Git Subversion
Click on an identifier with the Control key down to perform "Go to Declaration"
Line 50 Column 58 | Insert | Modified | Windows: 0
lab1.log 06_Lab2.log System
SQL Worksheet History
Worksheet Query Builder
select id, inventory_id, cost, cost, units, number_of_units from inventory_list
where units not in (50, 100, 150, 200);

select item_number, item_number, name, item_name from items
where name like 'g%';

select item_number, item_number, name, item_name from items
where name like 'b%';

--part 4
select 'The ' || name || ' team has ' || number_of_players || ' players and does not receive a discount.' "Team Information" from teams
where discount is null;

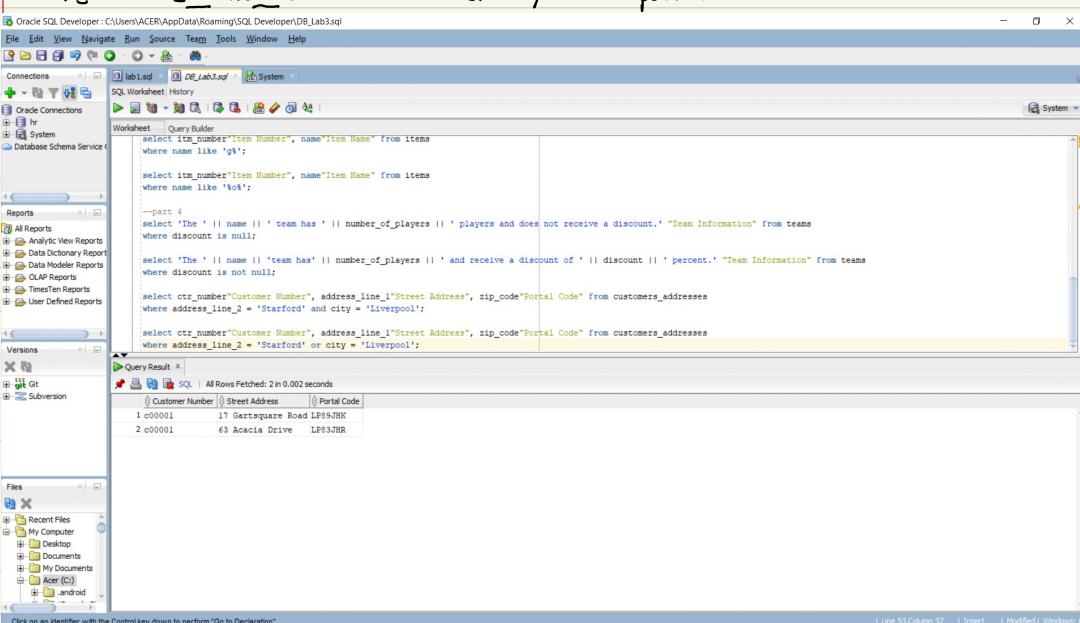
select 'The ' || name || ' team has ' || number_of_players || ' and receive a discount of ' || discount || ' percent.' "Team Information" from teams
where discount is not null;

select ctr_number "Customer Number", address_line_1 "Street Address", zip_code "Postal Code" from customers_addresses
where address_line_2 = 'Starford' and city = 'Liverpool';
```

Customer Number	Street Address	Postal Code
1 c00001	17 Gartsgate Road	LP9 9JHK

Part 3

SELECT ctr_number "Customer Number", address_line_1 "Street Address", zip_code "Postal Code"
FROM customer_addresses
WHERE address_line_2 = 'Starford' or city = 'Liverpool';



```
Oracle SQL Developer: C:\Users\ACER\AppData\Roaming\SQL Developer\Lab3.sql
File Edit View Navigate Run Source Team Tools Window Help
lab1.log 06_Lab2.log System
Connections Oracle Connections hr System Database Schema Service
Reports All Reports Analytic View Reports Data Dictionary Report Data Model Reports OLAP Reports TimeTen Reports User Defined Reports
Versions Git Subversion
Click on an identifier with the Control key down to perform "Go to Declaration"
Line 53 Column 37 | Insert | Modified | Windows: 0
lab1.log 06_Lab2.log System
SQL Worksheet History
Worksheet Query Builder
select item_number, item_number, name, item_name from items
where name like 'g%';

select item_number, item_number, name, item_name from items
where name like 'b%';

--part 4
select 'The ' || name || ' team has ' || number_of_players || ' players and does not receive a discount.' "Team Information" from teams
where discount is null;

select 'The ' || name || ' team has ' || number_of_players || ' and receive a discount of ' || discount || ' percent.' "Team Information" from teams
where discount is not null;

select ctr_number "Customer Number", address_line_1 "Street Address", zip_code "Postal Code" from customers_addresses
where address_line_2 = 'Starford' or city = 'Liverpool';

select ctr_number "Customer Number", address_line_1 "Street Address", zip_code "Postal Code" from customers_addresses
where address_line_2 = 'Starford' or city = 'Liverpool';
```

Customer Number	Street Address	Postal Code
1 c00001	17 Gartsgate Road	LP9 9JHK
2 c00001	63 Acacia Drive	LP9 3JHR

Part 4

```
SELECT ctr_number "Customer Number", address_line_1 "Street Address", zip_code "Postal Code"  
FROM customer_addresses  
WHERE city not in ('Liverpool');
```

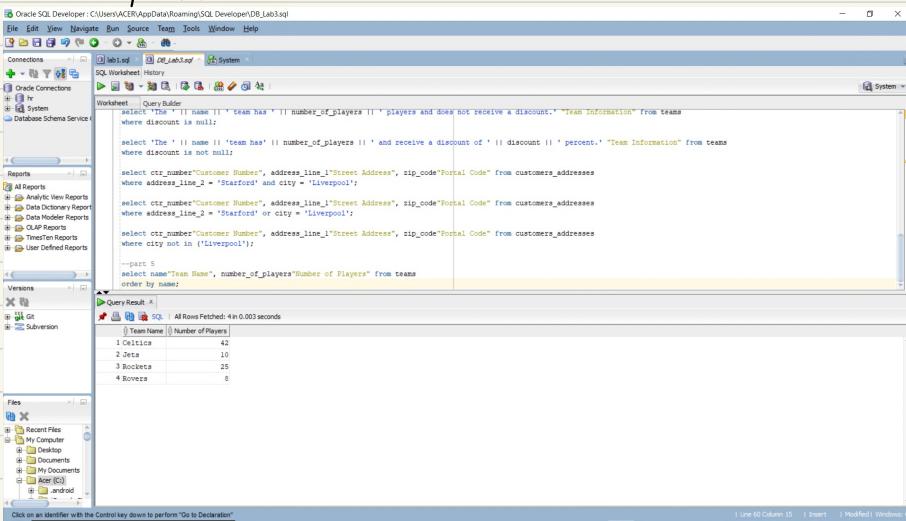
The screenshot shows the Oracle SQL Developer interface with a query being run against a database named 'DE_Lab3dg'. The query is as follows:

```
select 1, j.name||'Team Number', name||'Tech Name' from items
where name like '4%'  
--part 1  
select * from (
    select 'The '||name||' team has '|| number_of_players || ' players and does not receive a discount.' "Team Information" from teams
    where discount is null;  
  
select 'The '||name||' team has '|| number_of_players || ' and receive a discount of '|| discount || ' percent.' "Team Information" from teams
    where discount is not null;  
  
select ctz_number"Customer Number", address_line1"Street Address", zip_code"Postal Code" from customers_addresses
    where address_line2 = 'Stanford' and city = 'Liverpool';  
  
select ctz_number"Customer Number", address_line1"Street Address", zip_code"Postal Code" from customers_addresses
    where address_line2 = 'Stanford' or city = 'Liverpool';  
  
select ctz_number"Customer Number", address_line1"Street Address", zip_code"Postal Code" from customers_addresses
    where city not in ('Liverpool');
```

The 'Query Result' tab shows the results of the query, which are empty. A note at the bottom of the results pane says: 'All Rows Retrieved: 2 in 0.003 seconds'.

Part 5

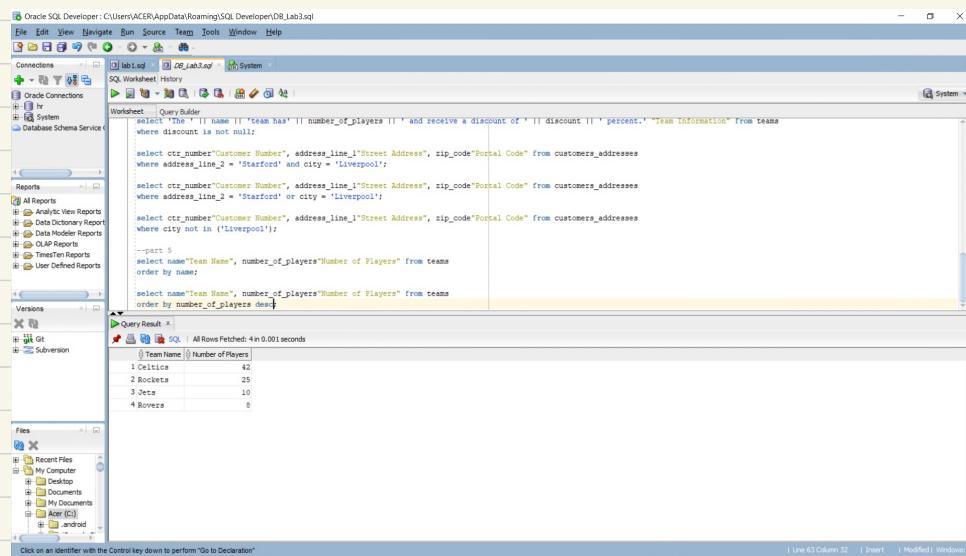
D) SELECT name " Team Name", number_of_players "Number of Players" FROM teams
order by name;



The screenshot shows the Oracle SQL Developer interface. The 'SQL Worksheet' tab is active, displaying a complex multi-table query. The results pane shows a table titled 'Query Result' with two columns: 'Team Name' and 'Number of Players'. The data is as follows:

Team Name	Number of Players
1 Celtics	42
2 Jets	10
3 Rockets	25
4 Rovers	8

2) SELECT name " Team Name", number_of_players "Number of Players" FROM teams
order by number_of_players desc;



The screenshot shows the Oracle SQL Developer interface. The 'SQL Worksheet' tab is active, displaying the same complex multi-table query as the previous screenshot. The results pane shows the same table as before, but the data is ordered by 'number_of_players' in descending order. The data is as follows:

Team Name	Number of Players
1 Celtics	42
3 Rockets	25
2 Jets	10
4 Rovers	8

3) SELECT name "Team Name", number_of_players "Number of Players" FROM teams
order by name desc;

The screenshot shows the Oracle SQL Developer interface. The main window displays a query editor with the following SQL code:

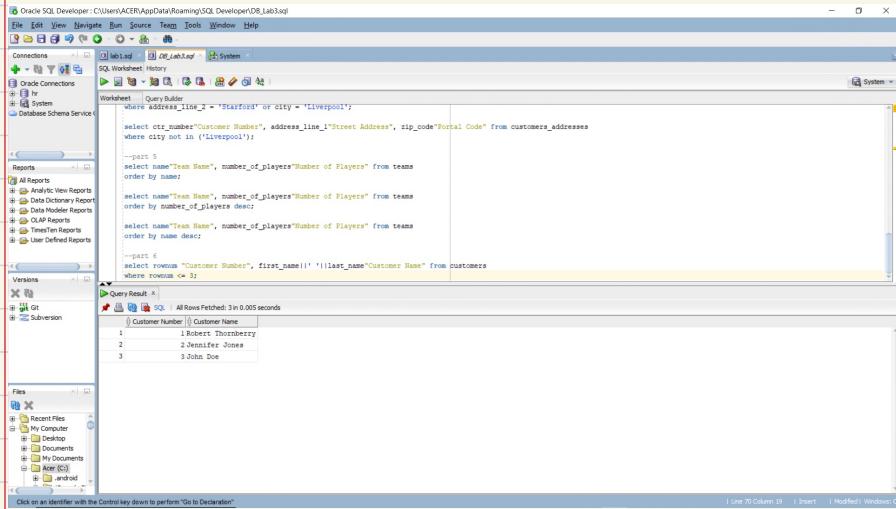
```
SELECT name "Team Name", number_of_players "Number of Players" FROM teams
order by name desc;
```

The results grid below the query editor shows the output of the query:

Team Name	Number of Players
1 Rockets	25
2 Jets	10
3 Celts	42

Part 6

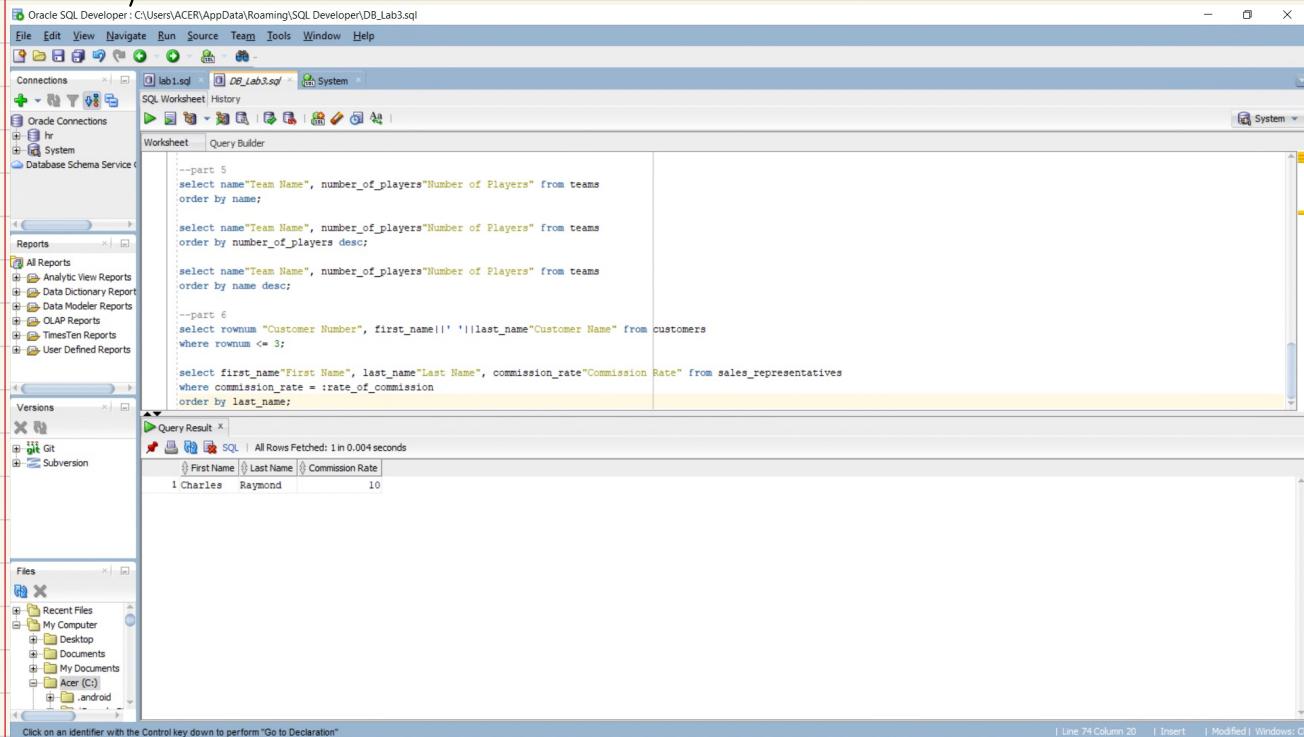
1) `SELECT rownum "Customer Number", first_name || ' ' || last_name "Customer Name" FROM customers
WHERE rownum <= 3`



```
--part 5  
select name"Customer Number", address_line_1"Street Address", zip_code"Postal Code" from customers_addresses  
where city not in ('Liverpool');  
  
--part 5  
select name"Team Name", number_of_players"Number of Players" from teams  
order by name;  
  
select name"Team Name", number_of_players"Number of Players" from teams  
order by number_of_players desc;  
  
select name"Team Name", number_of_players"Number of Players" from teams  
order by name desc;  
  
--part 6  
select rownum "Customer Number", first_name||' '||last_name"Customer Name" from customers  
where rownum <= 3;
```

Customer Number	Customer Name
1	Robert Thornberry
2	Jennifer Jones
3	John Doe

2) `SELECT first_name "First Name", last_name "Last Name", commission_rate "Commission Rate" FROM sales_representatives
WHERE commission_rate = :rate_of_commission
order by last_name;`



```
--part 5  
select name"Team Name", number_of_players"Number of Players" from teams  
order by name;  
  
select name"Team Name", number_of_players"Number of Players" from teams  
order by number_of_players desc;  
  
select name"Team Name", number_of_players"Number of Players" from teams  
order by name desc;  
  
--part 6  
select rownum "Customer Number", first_name||' '||last_name"Customer Name" from customers  
where rownum <= 3;  
  
select first_name"First Name", last_name"Last Name", commission_rate"Commission Rate" from sales_representatives  
where commission_rate = :rate_of_commission  
order by last_name;
```

First Name	Last Name	Commission Rate
Charles	Raymond	10

