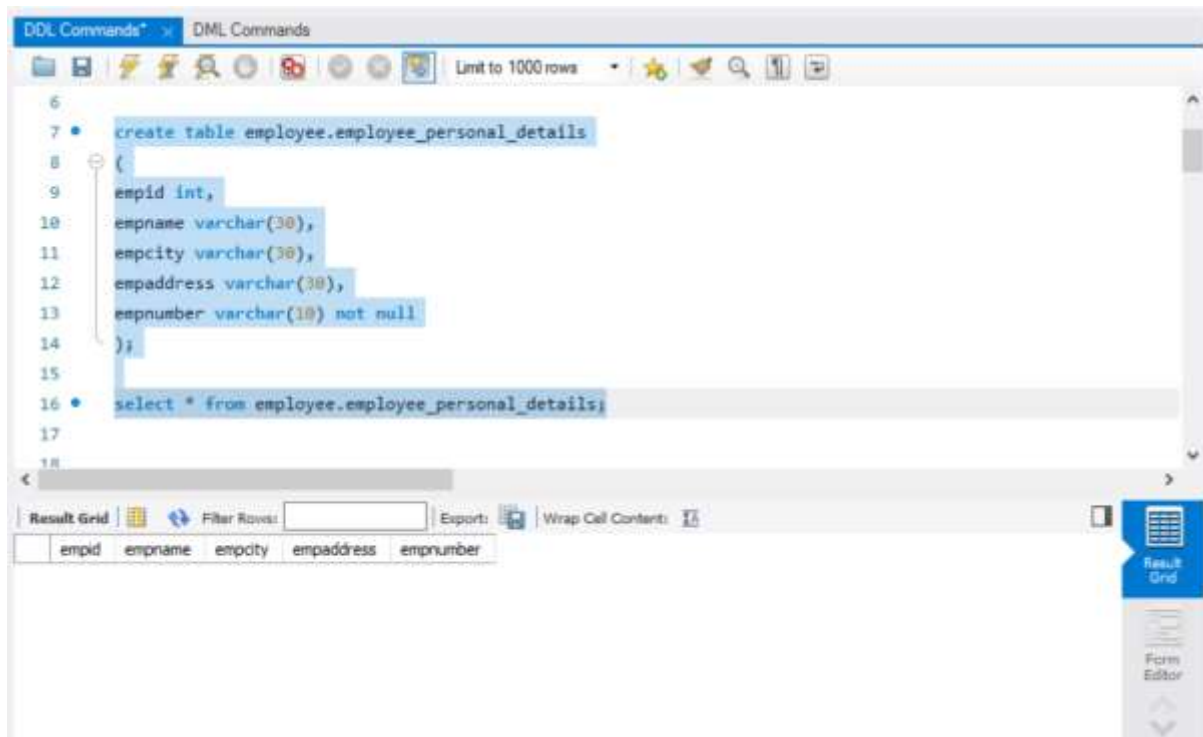


DDL Commands:

Create:

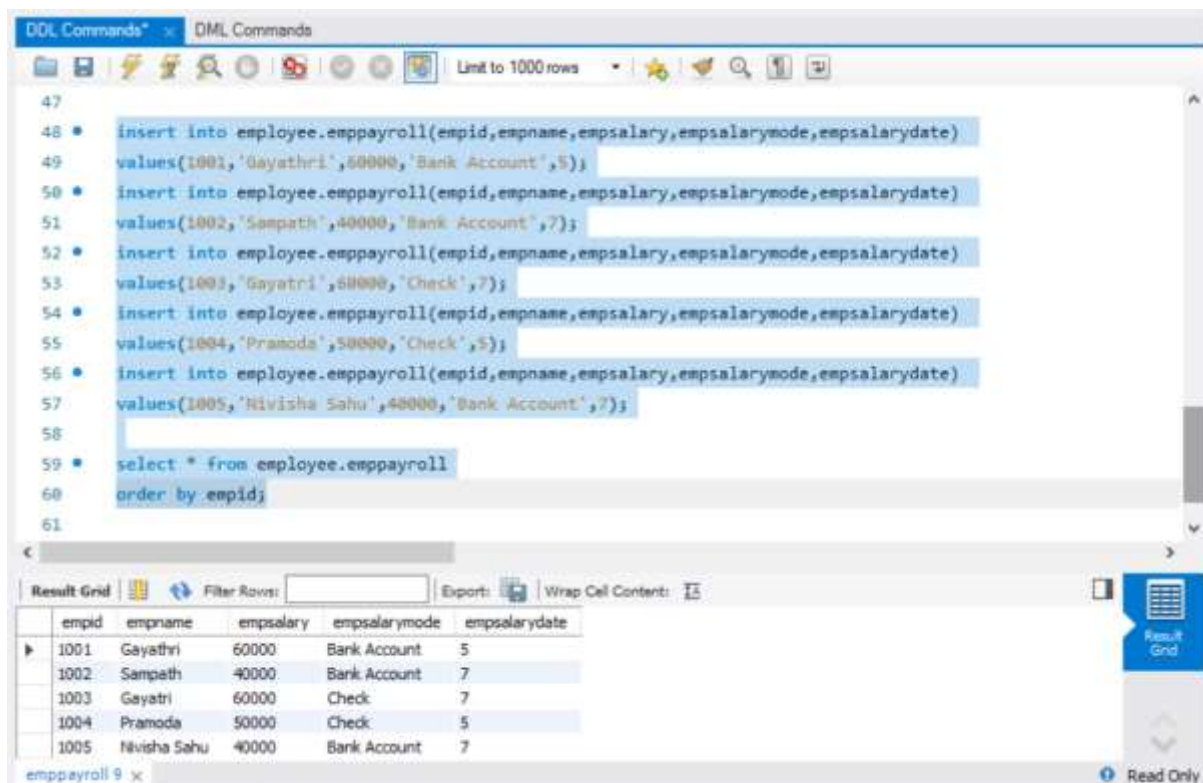


The screenshot shows the SQL Developer interface with the 'DDL Commands' window. The code editor contains the following SQL commands:

```
6  
7 • create table employee.employee_personal_details  
8 (  
9   empid int,  
10  empname varchar(30),  
11  empcity varchar(30),  
12  empaddress varchar(30),  
13  empnumber varchar(10) not null  
14 );  
15  
16 • select * from employee.employee_personal_details;  
17  
18
```

Below the code editor, the 'Result Grid' is visible, showing the column names: empid, empname, empcity, empaddress, and empnumber. The 'Form Editor' is also visible on the right side of the interface.

Insert into:



The screenshot shows the SQL Developer interface with the 'DDL Commands' window. The code editor contains the following SQL commands:

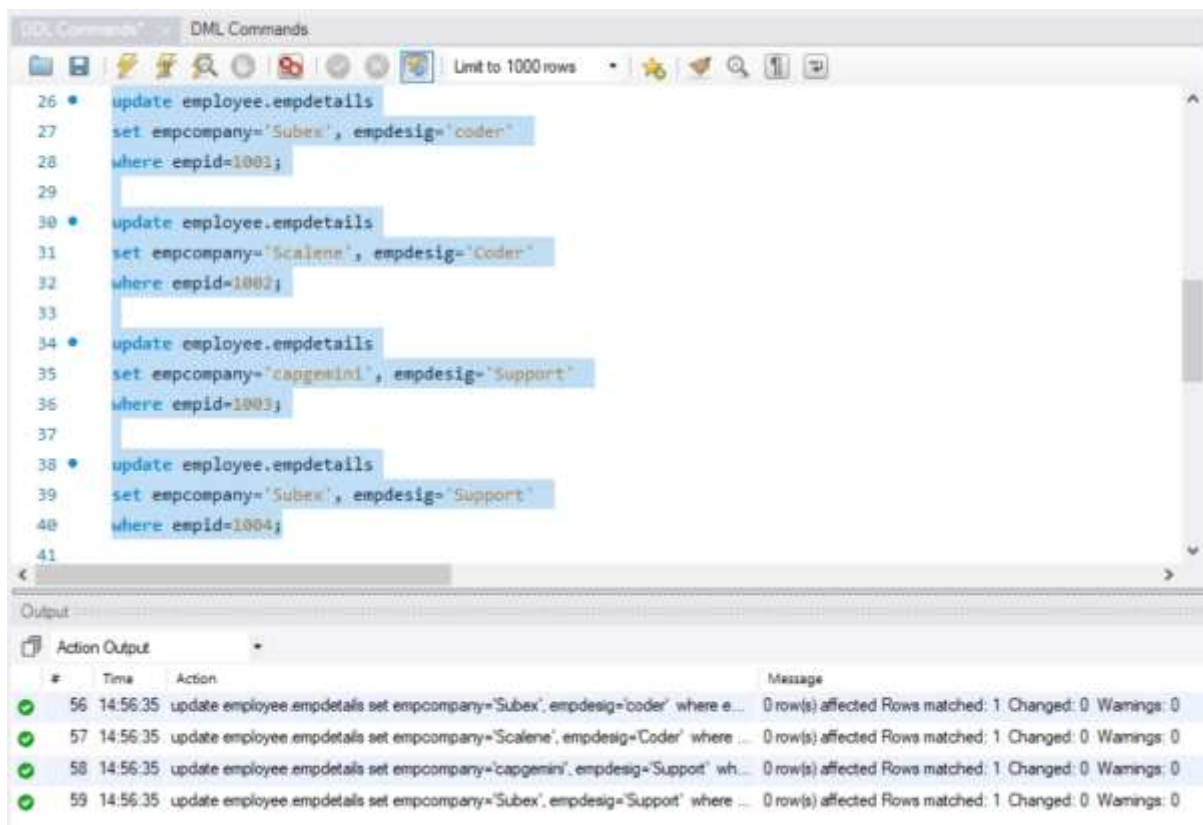
```
47  
48 • insert into employee.emppayroll(empid,empname,empsalary,empsalarymode,empsalarydate)  
49 values(1001,'Gayathri',60000,'Bank Account',5);  
50 • insert into employee.emppayroll(empid,empname,empsalary,empsalarymode,empsalarydate)  
51 values(1002,'Sampath',40000,'Bank Account',7);  
52 • insert into employee.emppayroll(empid,empname,empsalary,empsalarymode,empsalarydate)  
53 values(1003,'Gayatri',60000,'Check',7);  
54 • insert into employee.emppayroll(empid,empname,empsalary,empsalarymode,empsalarydate)  
55 values(1004,'Pranoda',50000,'Check',5);  
56 • insert into employee.emppayroll(empid,empname,empsalary,empsalarymode,empsalarydate)  
57 values(1005,'Nivisha Sahu',40000,'Bank Account',7);  
58  
59 • select * from employee.emppayroll  
60 order by empid;  
61
```

Below the code editor, the 'Result Grid' is visible, showing the data inserted into the table:

empid	empname	empsalary	empsalarymode	empsalarydate
1001	Gayathri	60000	Bank Account	5
1002	Sampath	40000	Bank Account	7
1003	Gayatri	60000	Check	7
1004	Pranoda	50000	Check	5
1005	Nivisha Sahu	40000	Bank Account	7

The 'Form Editor' is also visible on the right side of the interface.

Update:



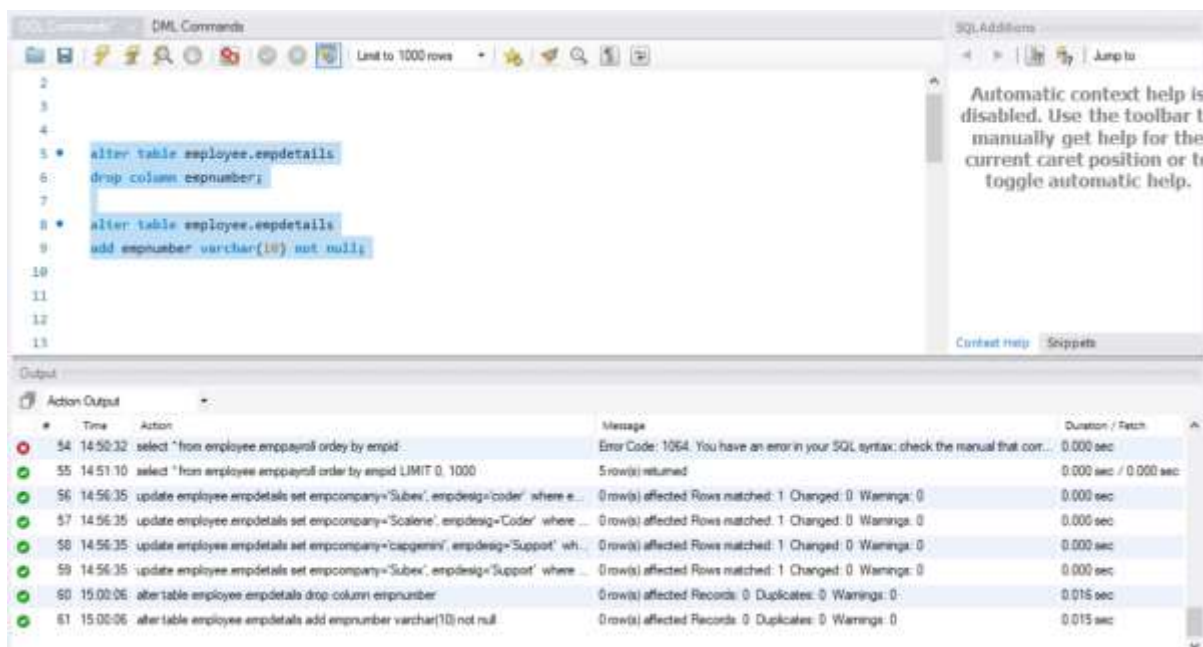
The screenshot shows the SQL Developer interface with four UPDATE statements in the SQL Commands window. The statements are:

```
26 update employee.empdetails
27 set empcompany='Subex', empdesig='coder'
28 where empid=1001;
29
30 update employee.empdetails
31 set empcompany='Scalene', empdesig='Coder'
32 where empid=1002;
33
34 update employee.empdetails
35 set empcompany='caggenini', empdesig='Support'
36 where empid=1003;
37
38 update employee.empdetails
39 set empcompany='Subex', empdesig='Support'
40 where empid=1004;
41
```

The Output window shows the execution results for these statements:

#	Time	Action	Message
56	14:56:35	update employee.empdetails set empcompany='Subex', empdesig='coder' where e...	0 row(s) affected Rows matched: 1 Changed: 0 Warnings: 0
57	14:56:35	update employee.empdetails set empcompany='Scalene', empdesig='Coder' where ...	0 row(s) affected Rows matched: 1 Changed: 0 Warnings: 0
58	14:56:35	update employee.empdetails set empcompany='caggenini', empdesig='Support' wh...	0 row(s) affected Rows matched: 1 Changed: 0 Warnings: 0
59	14:56:35	update employee.empdetails set empcompany='Subex', empdesig='Support' where ...	0 row(s) affected Rows matched: 1 Changed: 0 Warnings: 0

Alter:



The screenshot shows the SQL Developer interface with two ALTER TABLE statements in the SQL Commands window. The statements are:

```
5 alter table employee.empdetails
6 drop column empnumber;
7
8 alter table employee.empdetails
9 add empnumber varchar(10) not null;
10
11
12
13
```

The Output window shows the execution results for these statements:

#	Time	Action	Message	Duration / Fetch
54	14:50:32	select * from employee.emppayroll order by empid	Error Code: 1064. You have an error in your SQL syntax; check the manual that cor...	0.000 sec
55	14:51:10	select * from employee.emppayroll order by empid LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec
56	14:56:35	update employee.empdetails set empcompany='Subex', empdesig='coder' where e...	0 row(s) affected Rows matched: 1 Changed: 0 Warnings: 0	0.000 sec
57	14:56:35	update employee.empdetails set empcompany='Scalene', empdesig='Coder' where ...	0 row(s) affected Rows matched: 1 Changed: 0 Warnings: 0	0.000 sec
58	14:56:35	update employee.empdetails set empcompany='caggenini', empdesig='Support' wh...	0 row(s) affected Rows matched: 1 Changed: 0 Warnings: 0	0.000 sec
59	14:56:35	update employee.empdetails set empcompany='Subex', empdesig='Support' where ...	0 row(s) affected Rows matched: 1 Changed: 0 Warnings: 0	0.000 sec
60	15:00:06	alter table employee.empdetails drop column empnumber	0 row(s) affected Records: 0 Duplicates: 0 Warnings: 0	0.015 sec
61	15:00:06	alter table employee.empdetails add empnumber varchar(10) not null	0 row(s) affected Records: 0 Duplicates: 0 Warnings: 0	0.015 sec

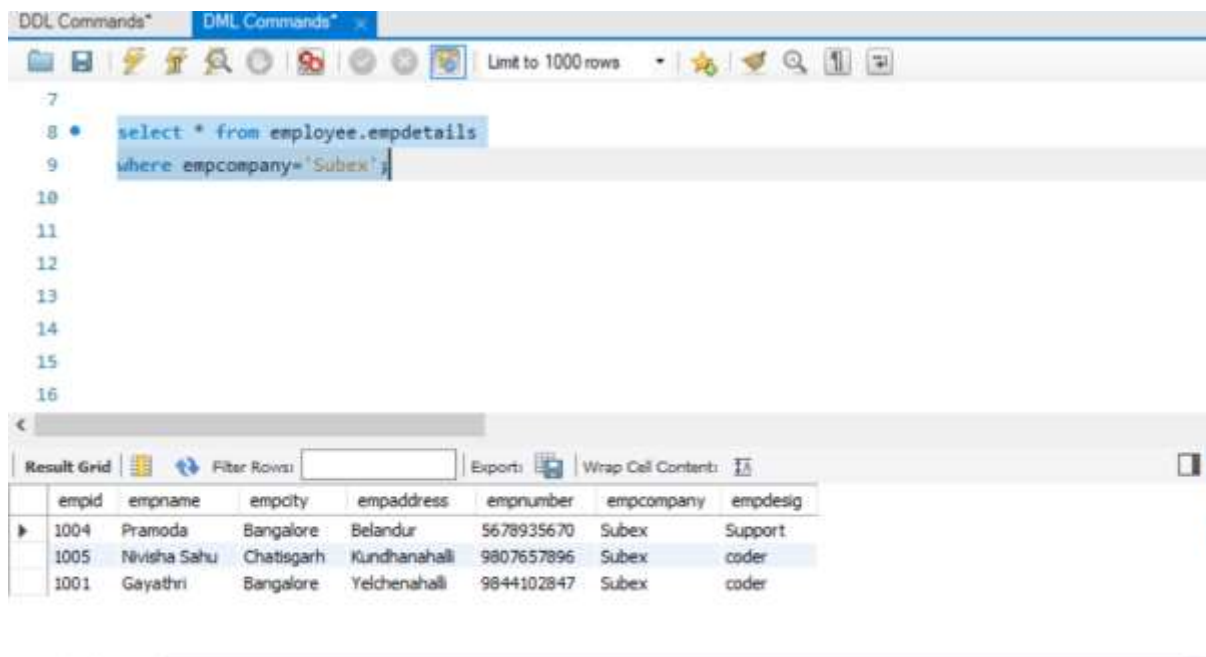
Drop:

The screenshot shows a SQL IDE interface. The main editor displays a SQL command: `drop table employee.employee_personal_details;`. The Output window at the bottom shows the execution results of several SQL commands. The table below represents the data shown in the Output window.

#	Time	Action	Message	Duration / Fetch
63	15:04:53	create table employee_personal_details (empid int, empname varchar(30), empjob ...	Error Code: 1046. No database selected Select the default DB to be used by doubl...	0.000 sec
64	15:05:14	create table employee.employee_personal_details (empid int, empname varchar(30)...	0 row(s) affected	0.016 sec
65	15:05:42	create table employee.employee_personal_details (empid int, empname varchar(30)...	Error Code: 1050. Table 'employee_personal_details' already exists	0.000 sec
66	15:05:48	select * from employee.employee_personal_details LIMIT 0, 1000	0 row(s) returned	0.000 sec / 0.000 sec
67	15:08:41	drop table employee_personal_details	Error Code: 1046. No database selected Select the default DB to be used by doubl...	0.000 sec
68	15:09:22	drop table employee.employee_personal_details	0 row(s) affected	0.016 sec

DML Commands:

Where:



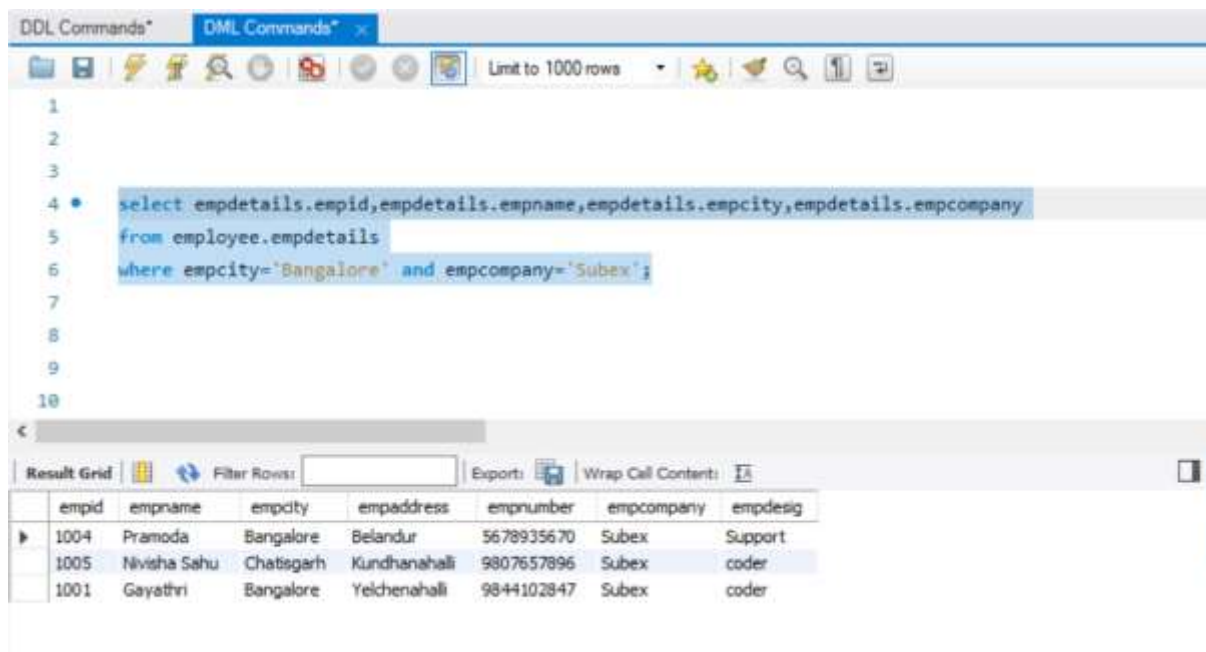
The screenshot shows the SQL Developer interface with a DML Commands window. The command entered is:

```
select * from employee.empdetails  
where empcompany='Subex';
```

The result grid displays the following data:

empid	empname	empcity	empaddress	empnumber	empcompany	empdesig
1004	Pramoda	Bangalore	Belandur	5678935670	Subex	Support
1005	Nivisha Sahu	Chatisgarh	Kundhanahalli	9807657896	Subex	coder
1001	Gayathri	Bangalore	Yeichenahalli	9844102847	Subex	coder

AND:



The screenshot shows the SQL Developer interface with a DML Commands window. The command entered is:

```
select empdetails.empid,empdetails.empname,empdetails.empcity,empdetails.empcompany  
from employee.empdetails  
where empcity='Bangalore' and empcompany='Subex';
```

The result grid displays the following data:

empid	empname	empcity	empaddress	empnumber	empcompany	empdesig
1004	Pramoda	Bangalore	Belandur	5678935670	Subex	Support
1005	Nivisha Sahu	Chatisgarh	Kundhanahalli	9807657896	Subex	coder
1001	Gayathri	Bangalore	Yeichenahalli	9844102847	Subex	coder

OR:

The screenshot shows the SQL Developer interface with a query window titled "DDL Commands*" and "DML Commands* x". The query is as follows:

```
11
12
13
14 • select empdetails.empid,empdetails.empname,empdetails.empdesig,empdetails.empcompany
15 from employee.empdetails
16 where empdesig='Coder' or empcompany='Subex';
17
18
19
20
```

Below the query window, the "Result Grid" is displayed with the following data:

empid	empname	empdesig	empcompany
1002	Sampath	Coder	Scalene
1004	Pramoda	Support	Subex
1005	Nivisha Sahu	coder	Subex
1001	Gayathri	coder	Subex

NOT:

The screenshot shows the SQL Developer interface with a query window titled "DDL Commands*" and "DML Commands* x". The query is as follows:

```
13
14
15
16 • select empdetails.empid,empdetails.empname,empdetails.empdesig,empdetails.empcompany
17 from employee.empdetails
18 where not empcompany='Subex';
19
20
21
22
```

Below the query window, the "Result Grid" is displayed with the following data:

empid	empname	empdesig	empcompany
1002	Sampath	Coder	Scalene
1003	Gayatri Angadi	Support	capgemini

Order By:

The screenshot shows the SQL Developer interface. The 'DDL Commands' window contains the following SQL query:

```
select empdetails.empid,empdetails.empname,empdetails.empcity,empdetails.emprnumber
from employee.empdetails
order by empname DESC
```

The 'Result Grid' window displays the results of the query, sorted by empname in descending order:

empid	empname	empcity	emprnumber
1002	Sampath	Bangalore	6777667877
1004	Pramoda	Bangalore	5678935670
1005	Nivisha Sahu	Chatisgarh	9807657896
1003	Gayatri Angadi	Kopalla	9867580347
1001	Gayathri	Bangalore	9844102847

Inner Join:

The screenshot shows the SQL Developer interface. The 'DDL Commands' window contains the following SQL query:

```
select empdetails.empid,empdetails.empname,empdetails.empcity
from employee.empdetails
Inner join employee.emppayroll
on empdetails.empname=emppayroll.empname;
```

The 'Result Grid' window displays the results of the query, showing only the employees who are present in both tables:

empid	empname	empcity
1002	Sampath	Bangalore
1004	Pramoda	Bangalore
1005	Nivisha Sahu	Chatisgarh
1001	Gayathri	Bangalore

Left Join:

The screenshot shows the SQL Developer interface with a query window titled 'DDL Commands', 'DML Commands', and 'SQL*'. The query is a Left Join between Employee.empdetails and Employee.emppayroll. The results grid shows 5 rows of data.

```
31
32
33
34
35
36
37 * select empdetails.empid,empdetails.empname,empdetails.empcity
38 from Employee.empdetails
39 left join Employee.emppayroll
40 on empdetails.empid=emppayroll.empid;
41
42
43
44
45
46
```

Result 6 x

empid	empname	empcity
1001	Gayathri	Bangalore
1002	Sampath	Bangalore
1003	Gayatri Angadi	Kopala
1004	Pramoda	Bangalore
1005	Nivisha Sahu	Chatsgarh

Right Join:

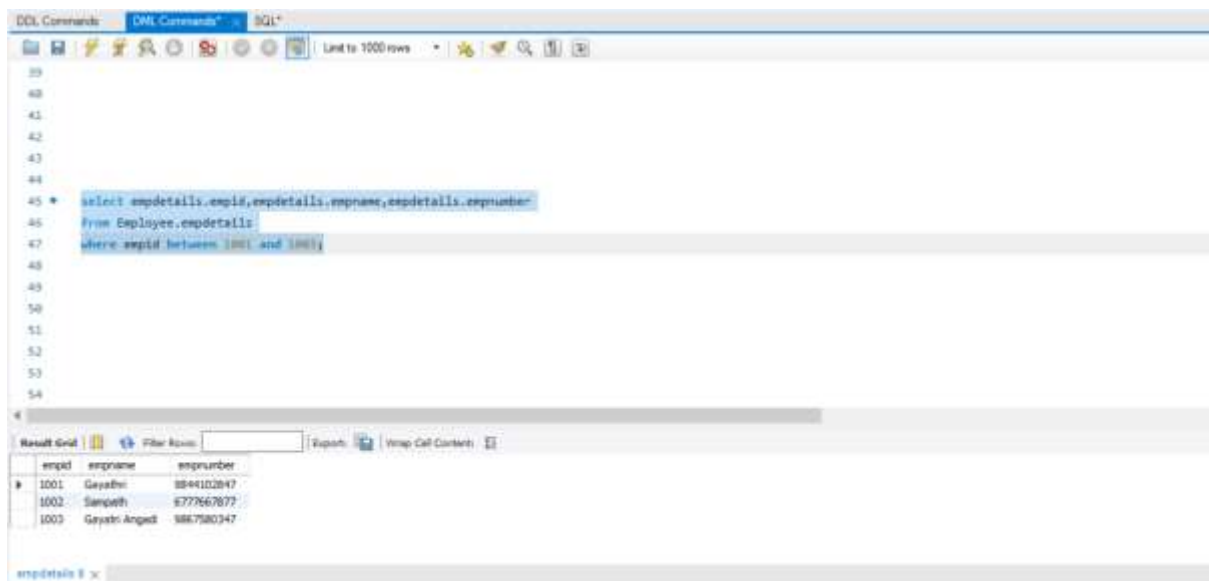
The screenshot shows the SQL Developer interface with a query window titled 'DDL Commands', 'DML Commands', and 'SQL*'. The query is a Right Join between Employee.empdetails and Employee.emppayroll. The results grid shows 5 rows of data.

```
34
35
36
37
38
39
40
41 * select * from Employee.empdetails
42 right join Employee.emppayroll
43 on empdetails.empid=emppayroll.empid;
44
45
46
47
48
49
```

Result 7 x

empid	empname	empcity	empaddress	empnumber	empcompany	empdesig	empid	empname	empsalary	empsalarymode	empsalarydate
1001	Gayathri	Bangalore	Yelchenahalli	9844102847	Subex	coder	1001	Gayathri	60000	Bank Account	5
1002	Sampath	Bangalore	JP Nagar	6777667877	Scalene	Coder	1002	Sampath	40000	Bank Account	7
1003	Gayatri Angadi	Kopala	Belandur	9967580347	capgemini	Support	1003	Gayatri	60000	Check	7
1004	Pramoda	Bangalore	Belandur	5678935670	Subex	Support	1004	Pramoda	50000	Check	5
1005	Nivisha Sahu	Chatsgarh	Kundhanahalli	9807657896	Subex	coder	1005	Nivisha Sahu	40000	Bank Account	7

Between:



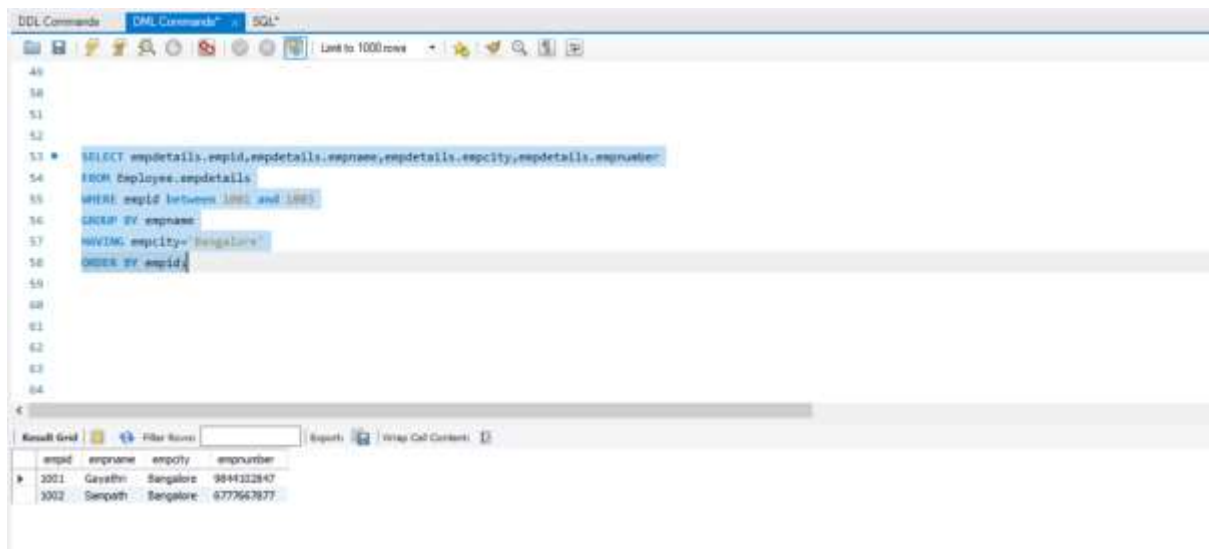
The screenshot shows the SQL Developer interface with a query window titled 'DDL Commands'. The query is as follows:

```
select empdetails.empid,empdetails.empname,empdetails.empnumber
from Employee.empdetails
where empid between 1001 and 1003;
```

The results grid below the query shows the following data:

empid	empname	empnumber
1001	Gayathri	8844102847
1002	Sampath	6777667877
1003	Gayathri Anand	8847580347

Groupby and Having :



The screenshot shows the SQL Developer interface with a query window titled 'DDL Commands'. The query is as follows:

```
SELECT empdetails.empid,empdetails.empname,empdetails.empcity,empdetails.empnumber
FROM Employee.empdetails
WHERE empid between 1001 and 1003
GROUP BY empname
HAVING empcity='Bangalore'
ORDER BY empid;
```

The results grid below the query shows the following data:

empid	empname	empcity	empnumber
1001	Gayathri	Bangalore	8844102847
1002	Sampath	Bangalore	6777667877