

Lab Task 1 [FT]

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Instructions:

1. After completing the task, you need to take screenshots of the query and results (output) as well. Then attach the screenshots to this file (from page 2). Write the name and ID in the given box.
2. Then convert this word file to PDF. And save the pdf file using your ID & Sec (Sample: 18_*****_1_R)
3. Upload the PDF to the team's section. And click on 'turn in' option.
4. Remember that this is an individual task, not a group task.
5. **Submission time: Tomorrow at 11:30 pm. Don't miss the deadline.**

Questions:

Table 1: Person

pname	pid (pk)	Country	Salary	Region
ABC	11	B	10k	Asia
XYZ	12	A	20k	Asia
BDF	14	I	20k	Asia
ACE	16	E	40k	Europe

Table 2: Dept.

dname	did (pk)	uni_name	uni_country
CS	100	AIUB	BAN
Eco	102	DU	BAN
BBA	104	NSU	BAN
Political Science	106	BUP	BAN
	108	IUB	BAN

At first, create the tables and insert the given values accurately (same to same table & values).

Now, solve the queries based on the given tables:

1. Write a query that identifies "Which person has a salary greater than BDF's salary?"
2. Write a query that identifies minimum and maximum salary from the person table.
3. Avoid the last row of the second table. Then take pname, pid, dname, did from the tables. New table takes pid as a primary key as well. After completing your query, you need to mention the type of your query.
4. Take pname, pid, region, dname, did from the tables. Write a query based on all the rows of the given tables.

***** Attach your screenshots in the next page...**

Oracle Database Express Edition interface showing SQL commands and results for the 'Person' table.

User: SCOTT

Home > SQL > SQL Commands

Autocommit Display 10

Save Run

```
CREATE TABLE Person (  
  pname VARCHAR2(50),  
  pid INT PRIMARY KEY,  
  Country VARCHAR2(50),  
  Salary VARCHAR2(20),  
  Region VARCHAR2(20)  
);  
  
INSERT INTO Person VALUES ('ABC', 11, 'B', '10k', 'Asia');  
INSERT INTO Person VALUES ('XYZ', 12, 'A', '20k', 'Asia');  
INSERT INTO Person VALUES ('BDF', 14, 'I', '20k', 'Asia');  
INSERT INTO Person VALUES ('ACE', 16, 'E', '40k', 'Europe');  
select * from Person;
```

Results Explain Describe Saved SQL History

PNAME	PID	COUNTRY	SALARY	REGION
ABC	11	B	10k	Asia
XYZ	12	A	20k	Asia
BDF	14	I	20k	Asia
ACE	16	E	40k	Europe

4 rows returned in 0.00 seconds CSV Export

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Oracle Database Express Edition interface showing SQL commands and results for the 'Dept' table.

User: SCOTT

Home > SQL > SQL Commands

Autocommit Display 10

Save Run

```
CREATE TABLE Dept (  
  dname VARCHAR2(50),  
  did INT PRIMARY KEY,  
  uni_name VARCHAR2(50),  
  uni_country VARCHAR2(50)  
);  
  
INSERT INTO Dept VALUES ('CS', 100, 'AIUB', 'BAN');  
INSERT INTO Dept VALUES ('Eco', 102, 'DU', 'BAN');  
INSERT INTO Dept VALUES ('BBA', 104, 'NSU', 'BAN');  
INSERT INTO Dept VALUES ('political science', 106, 'BUP', 'BAN');  
INSERT INTO Dept VALUES ('', 108, 'IUB', 'BAN');  
select * from Dept;
```

Results Explain Describe Saved SQL History

DNAME	DID	UNI_NAME	UNI_COUNTRY
CS	100	AIUB	BAN
Eco	102	DU	BAN
BBA	104	NSU	BAN
political science	106	BUP	BAN
-	108	IUB	BAN

5 rows returned in 0.00 seconds CSV Export

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Oracle Database Express Edition interface showing SQL commands and results.

User: SCOTT

Home > SQL > SQL Commands

Autocommit: ☒ Display: 10

Save Run

```
INSERT INTO Person VALUES ('ABC', 11, 'B', '10k', 'Asia');
INSERT INTO Person VALUES ('XYZ', 12, 'A', '20k', 'Asia');
INSERT INTO Person VALUES ('BDF', 14, 'I', '20k', 'Asia');
INSERT INTO Person VALUES ('ACE', 16, 'E', '40k', 'Europe');
select * from Person;
```

Select pname from Person
WHERE Salary> (Select Salary FROM Person WHERE pname = 'BDF');

Drop Table Person;

Results Explain Describe Saved SQL History

PNAME
ACE

1 rows returned in 0.00 seconds [CSV Export](#)

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Oracle Database Express Edition interface showing SQL commands and results.

User: SCOTT

Home > SQL > SQL Commands

Autocommit: ☒ Display: 10

Save Run

```
INSERT INTO Person VALUES ('ABC', 11, 'B', '10k', 'Asia');
INSERT INTO Person VALUES ('XYZ', 12, 'A', '20k', 'Asia');
INSERT INTO Person VALUES ('BDF', 14, 'I', '20k', 'Asia');
INSERT INTO Person VALUES ('ACE', 16, 'E', '40k', 'Europe');
select * from Person;
```

Select pname from Person
WHERE Salary> (Select Salary FROM Person WHERE pname = 'BDF');

Select MIN(Salary) as Minimum Salary, MAX(Salary) as Maximum Salary from Person;

Results Explain Describe Saved SQL History

MINIMUM_SALARY	MAXIMUM_SALARY
10k	40k

1 rows returned in 0.00 seconds [CSV Export](#)

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SQL Command Window

```

DROP TABLE Dept CASCADE CONSTRAINTS;

SELECT Person.pname, Person.pid, Dept.dname, Dept.did
FROM Person, Dept
WHERE Person.pid != Dept.did
AND Dept.did != 108;

Drop Table Person;

```

Results

PNAME	PID	DNAME	DID
ABC	11	CS	100
XYZ	12	CS	100
BDF	14	CS	100
ACE	16	CS	100
ABC	11	Eco	102
XYZ	12	Eco	102
BDF	14	Eco	102
ACE	16	Eco	102
ABC	11	BBA	104
XYZ	12	BBA	104

More than 10 rows available. Increase rows selector to view more rows.

10 rows returned in 0.01 seconds [CSV Export](#)

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SQL Command Window

```

DROP TABLE Dept CASCADE CONSTRAINTS;

SELECT Person.pname, Person.pid, Dept.dname, Dept.did
FROM Person, Dept
WHERE Person.pid != Dept.did
AND Dept.did != 108;

SELECT Person.pname, Person.pid, Person.Region, Dept.dname, Dept.did
FROM Person, Dept
WHERE Person.pid < Dept.did;

```

Results

PNAME	PID	REGION	DNAME	DID
ABC	11	Asia	CS	100
ABC	11	Asia	Eco	102
ABC	11	Asia	BBA	104
ABC	11	Asia	political science	106
ABC	11	Asia	-	108
XYZ	12	Asia	CS	100
XYZ	12	Asia	Eco	102
XYZ	12	Asia	BBA	104
XYZ	12	Asia	political science	106
XYZ	12	Asia	-	108

More than 10 rows available. Increase rows selector to view more rows.

10 rows returned in 0.00 seconds [CSV Export](#)

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