Assignment-9

PL/sql-2

Name-Ashish Goyal

Id-2016ucp1100

Batch-A (1, 2)

EXPLICIT CURSOR

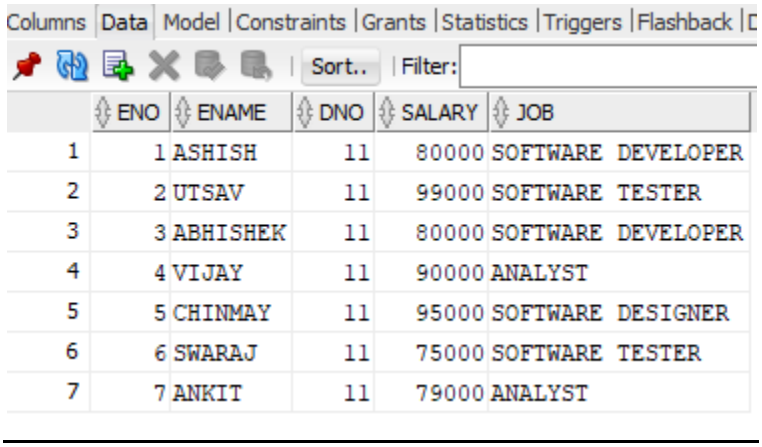
Employee(eno,ename,dno, salary,job)

Create Tables and Insert values into table:

Worksheet | Query Builder

```
CREATE TABLE EMPLOYEE
(
    eno int PRIMARY KEY,
    ename varchar(20),
    dno int,
    salary int,
    job varchar(20)
);
INSERT INTO employee
VALUES(1,'ASHISH',11,80000,'SOFTWARE DEVELOPER');
INSERT INTO employee
VALUES(2,'UTSAV',11,99000,'SOFTWARE TESTER');
INSERT INTO employee
VALUES(3,'ABHISHEK',11,80000,'SOFTWARE DEVELOPER');
INSERT INTO employee
VALUES(4,'VIJAY',11,90000,'ANALYST');
INSERT INTO employee
VALUES(5,'CHINMAY',11,95000,'SOFTWARE DESIGNER');
INSERT INTO employee
VALUES(6,'SWARAJ',11,75000,'SOFTWARE TESTER');
INSERT INTO employee
VALUES(7,'ANKIT',11,79000,'ANALYST');
```

Show tables:

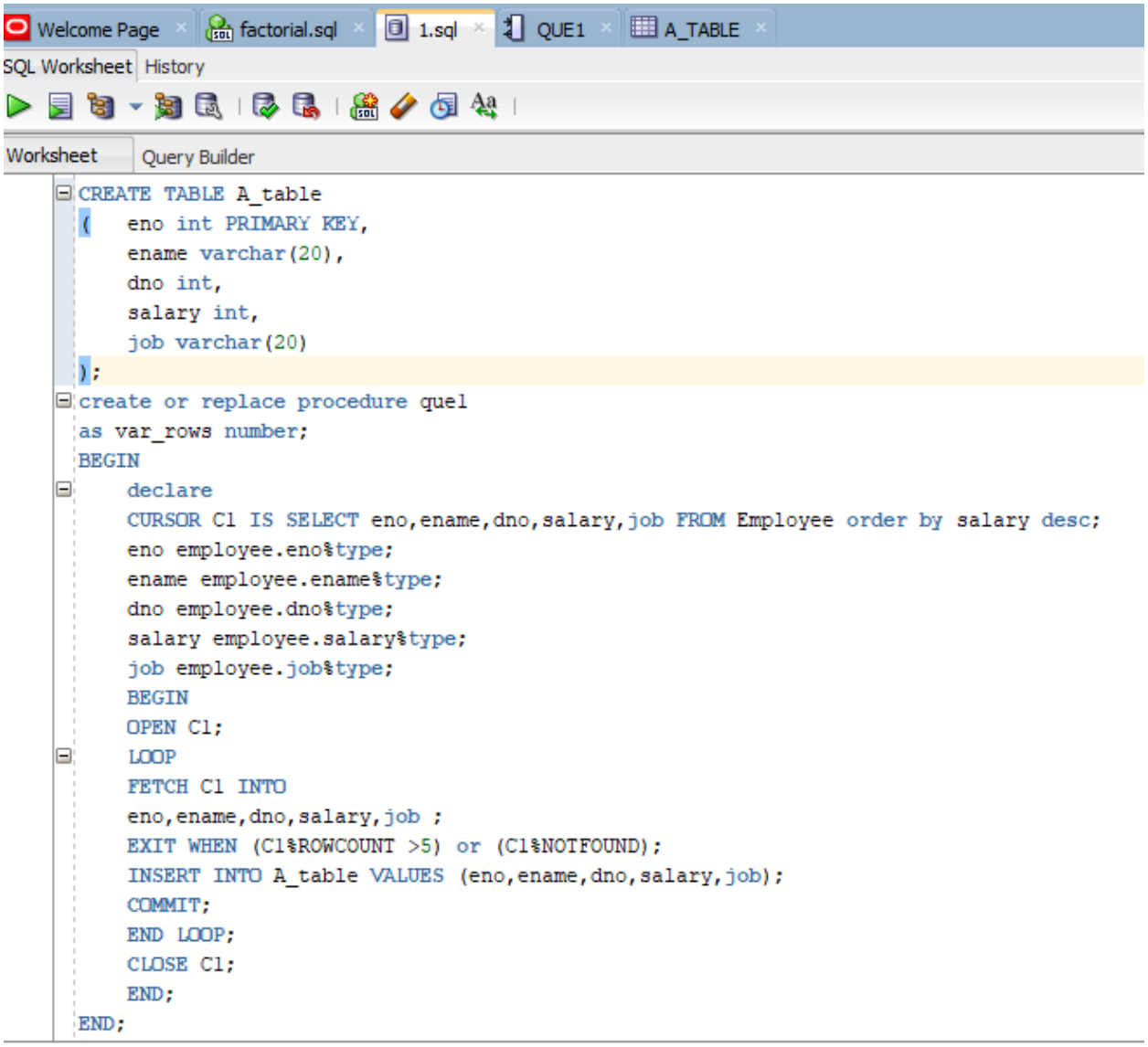


Columns | Data | Model | Constraints | Grants | Statistics | Triggers | Flashback | D

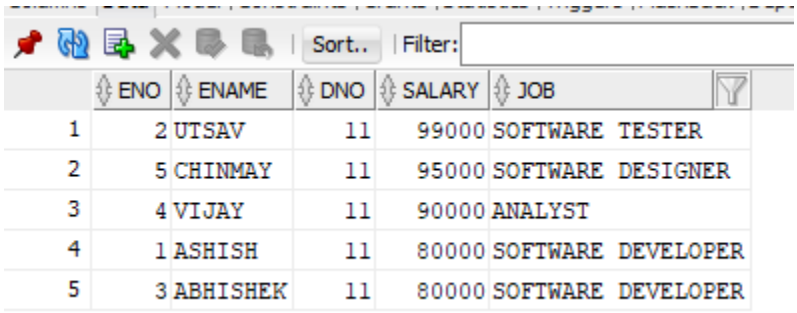
Sort.. | Filter:

	ENO	ENAME	DNO	SALARY	JOB
1	1	ASHISH	11	80000	SOFTWARE DEVELOPER
2	2	UTSAV	11	99000	SOFTWARE TESTER
3	3	ABHISHEK	11	80000	SOFTWARE DEVELOPER
4	4	VIJAY	11	90000	ANALYST
5	5	CHINMAY	11	95000	SOFTWARE DESIGNER
6	6	SWARAJ	11	75000	SOFTWARE TESTER
7	7	ANKIT	11	79000	ANALYST

1-Display details of top five highest paid employees.



Solution Table-



	ENO	ENAME	DNO	SALARY	JOB
1	2	UTSAV	11	99000	SOFTWARE TESTER
2	5	CHINMAY	11	95000	SOFTWARE DESIGNER
3	4	VIJAY	11	90000	ANALYST
4	1	ASHISH	11	80000	SOFTWARE DEVELOPER
5	3	ABHISHEK	11	80000	SOFTWARE DEVELOPER

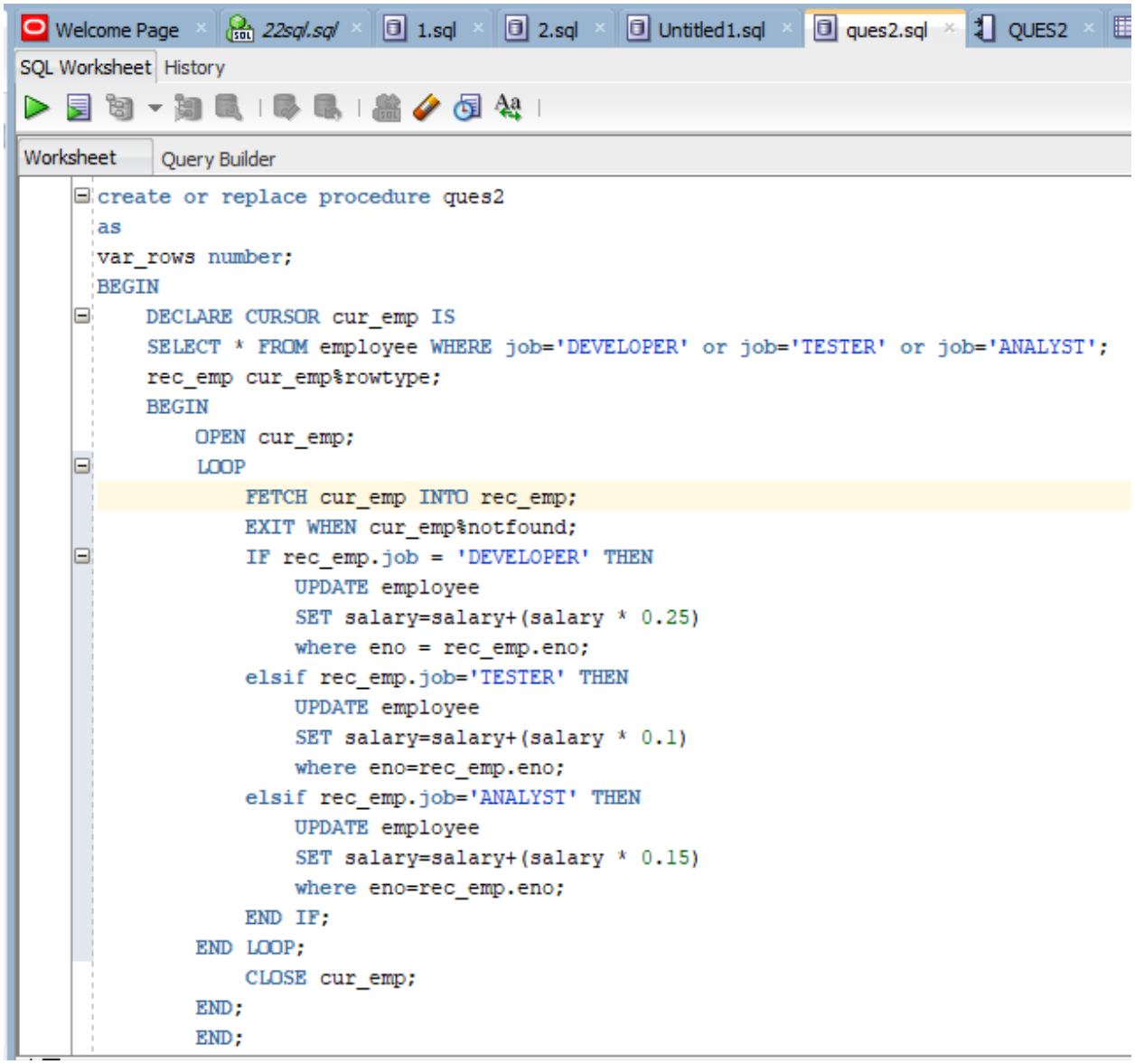
2-Increment salaries of the employees according to their job.

Initial Values-

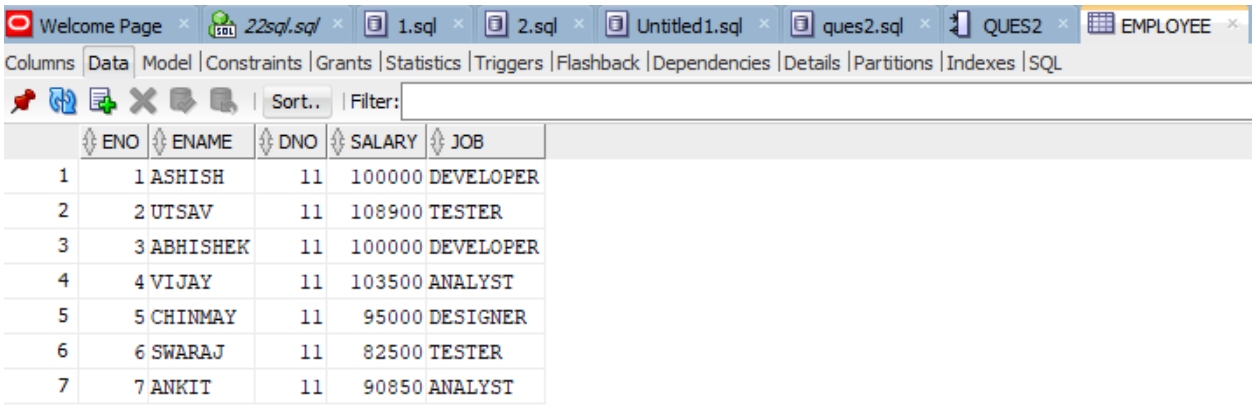
Columns | Data | Model | Constraints | Grants | Statistics | Triggers | Flashback | D

Sort.. | Filter:

	ENO	ENAME	DNO	SALARY	JOB
1	1	ASHISH	11	80000	SOFTWARE DEVELOPER
2	2	UTSAV	11	99000	SOFTWARE TESTER
3	3	ABHISHEK	11	80000	SOFTWARE DEVELOPER
4	4	VIJAY	11	90000	ANALYST
5	5	CHINMAY	11	95000	SOFTWARE DESIGNER
6	6	SWARAJ	11	75000	SOFTWARE TESTER
7	7	ANKIT	11	79000	ANALYST



Solution Table-

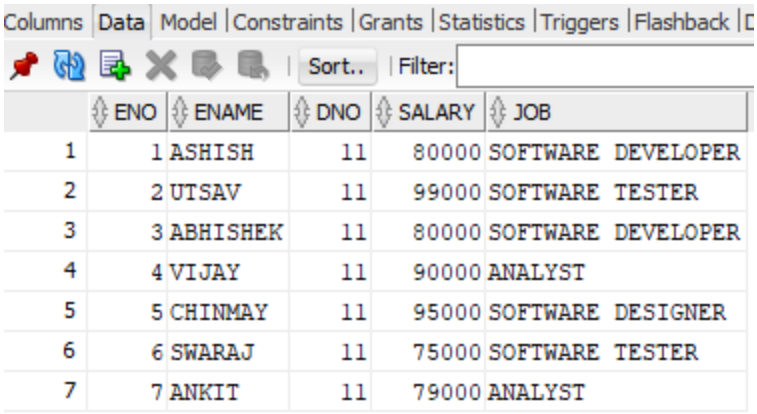


	ENO	ENAME	DNO	SALARY	JOB
1	1	ASHISH	11	100000	DEVELOPER
2	2	UTSAV	11	108900	TESTER
3	3	ABHISHEK	11	100000	DEVELOPER
4	4	VIJAY	11	103500	ANALYST
5	5	CHINMAY	11	95000	DESIGNER
6	6	SWARAJ	11	82500	TESTER
7	7	ANKIT	11	90850	ANALYST

TRIGGERS

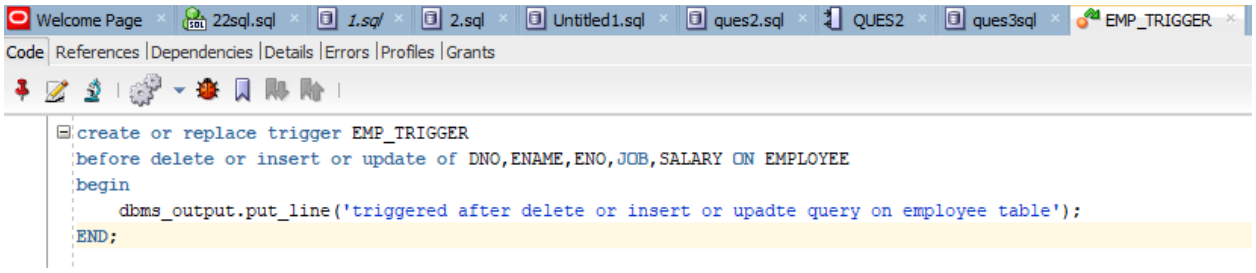
3-create trigger which will get triggered on insert , update and delete in employee table.

Initial Values-

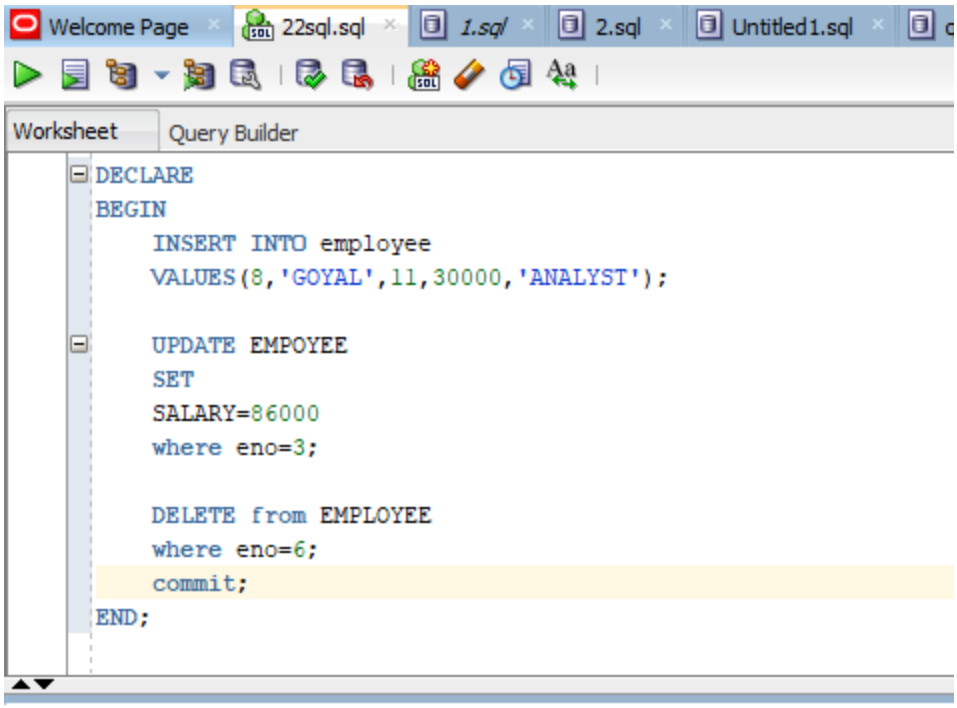


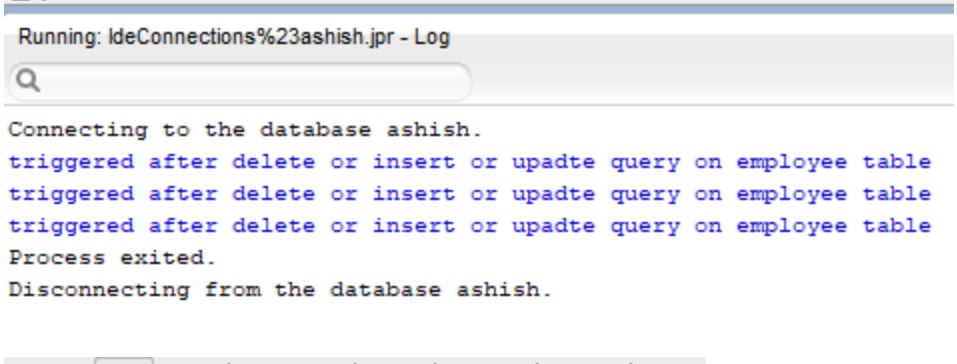
	ENO	ENAME	DNO	SALARY	JOB
1	1	ASHISH	11	80000	SOFTWARE DEVELOPER
2	2	UTSAV	11	99000	SOFTWARE TESTER
3	3	ABHISHEK	11	80000	SOFTWARE DEVELOPER
4	4	VIJAY	11	90000	ANALYST
5	5	CHINMAY	11	95000	SOFTWARE DESIGNER
6	6	SWARAJ	11	75000	SOFTWARE TESTER
7	7	ANKIT	11	79000	ANALYST

Trigger-




```
create or replace trigger EMP_TRIGGER
before delete or insert or update of DNO,ENAME,ENO,JOB,SALARY ON EMPLOYEE
begin
    dbms_output.put_line('triggered after delete or insert or upadte query on employee table');
END;
```





Columns | Data | Model | Constraints | Grants | Statistics | Triggers | Flashba

Sort.. | Filter:

	ENO	ENAME	DNO	SALARY	JOB
1	1	ASHISH	11	80000	DEVELOPER
2	2	UTSAV	11	99000	TESTER
3	3	ABHISHEK	11	86000	DEVELOPER
4	4	VIJAY	11	90000	ANALYST
5	5	CHINMAY	11	95000	DESIGNER
6	7	ANKIT	11	79000	ANALYST
7	8	GOYAL	11	30000	ANALYST

4-

Student(Sid,sname,deptname)

Department(deptname)

Create Tables and Insert values into table:

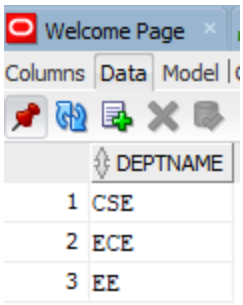
```
CREATE TABLE Department
(
    deptname varchar(20) PRIMARY KEY
);

INSERT INTO department
VALUES('CSE');
INSERT INTO department
VALUES('ECE');
INSERT INTO department
VALUES('EE');
```

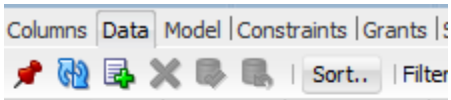
```
CREATE TABLE Student
(   Sid int PRIMARY KEY,
    sname varchar(20),
    deptname varchar(20),
    FOREIGN KEY(deptname) REFERENCES Department(deptname)
);

INSERT INTO student
VALUES(1092,'UTSAV','ECE');
INSERT INTO student
VALUES(1100,'ASHISH','CSE');
INSERT INTO student
VALUES(1103,'ABHISHEK','CSE');
INSERT INTO student
VALUES(1663,'SWARAJ','CSE');
INSERT INTO student
VALUES(1170,'ANKIT','EE');
INSERT INTO student
VALUES(1194,'CHINMAY','ECE');
```

Show tables:

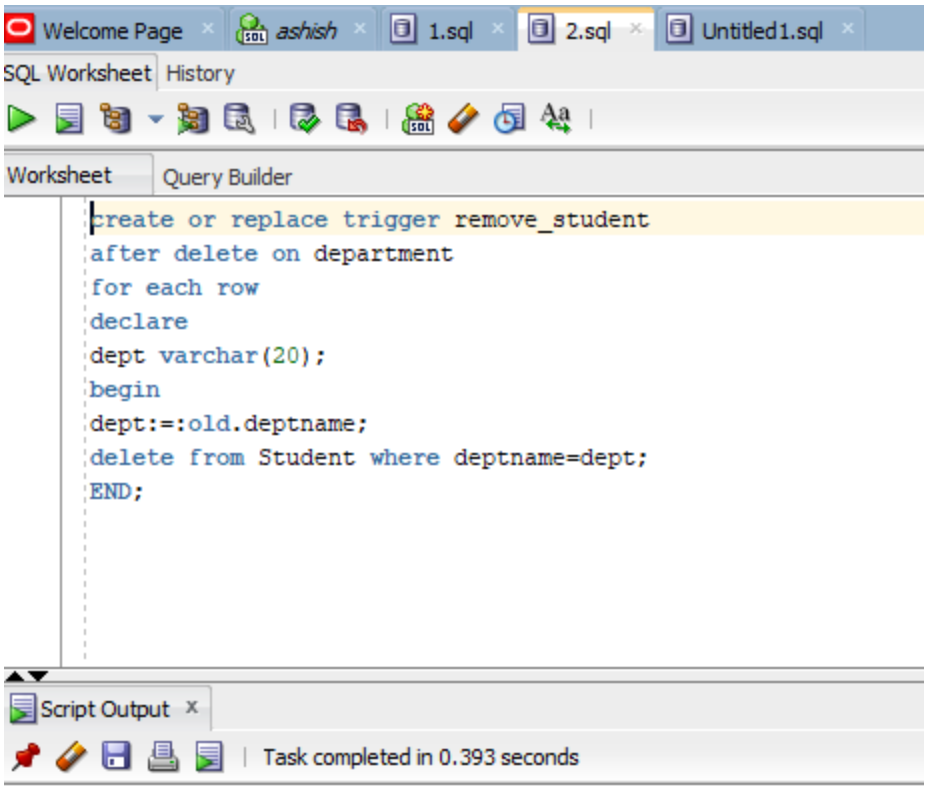


	DEPTNAME
1	CSE
2	ECE
3	EE

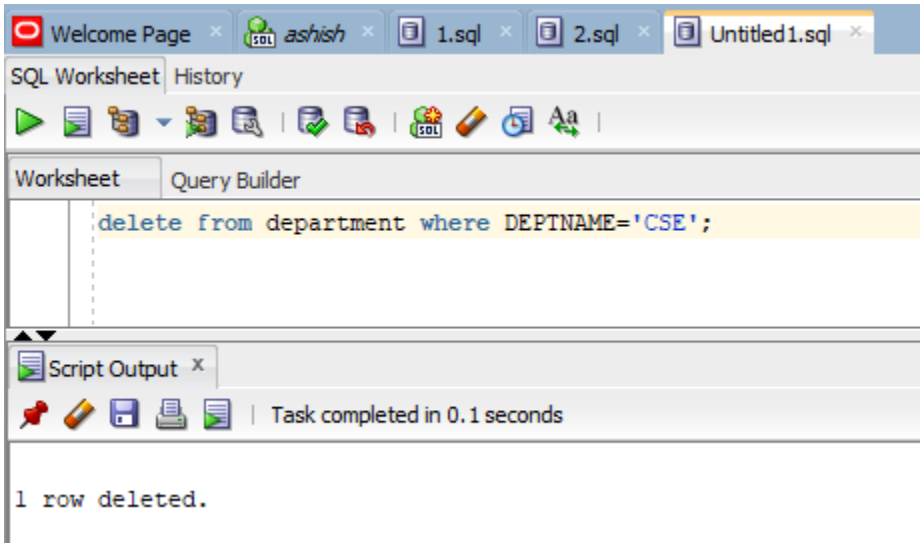


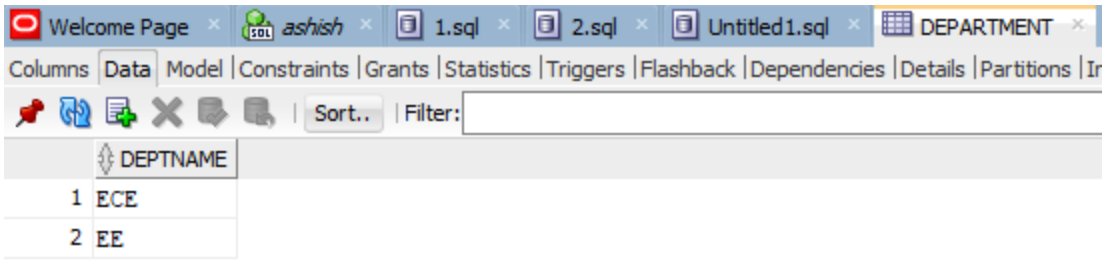
	SID	SNAME	DEPTNAME
1	1092	UTSAV	ECE
2	1100	ASHISH	CSE
3	1103	ABHISHEK	CSE
4	1663	SWARAJ	CSE
5	1170	ANKIT	EE
6	1194	CHINMAY	ECE

Create a trigger to remove all students of department once department is deleted.

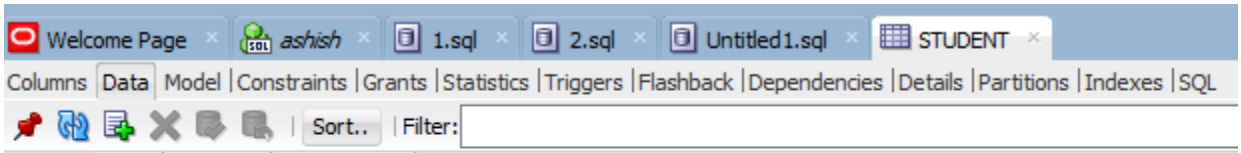



```
Trigger REMOVE_STUDENT compiled
```





	DEPTNAME
1	ECE
2	EE



	SID	SNAME	DEPTNAME
1	1092	UTSAV	ECE
2	1170	ANKIT	EE
3	1194	CHINMAY	ECE