TABLES:

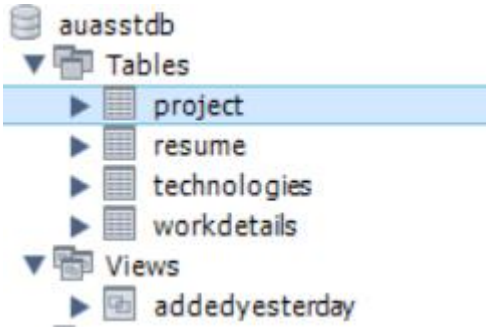


TABLE SCHEMAS:

PROJECT:

Table: project

Columns:

id	int(11) AI PK
resume_id	int(11)
proj_name	varchar(50)
proj_description	varchar(100)
github_link	varchar(100)
technologies_used	varchar(150)

(resume_id foreign key references pk of resume table)

RESUME:

Table: resume

Columns:

id	int(11) AI PK
person_name	varchar(100)
email	varchar(100)
phone	varchar(15)
address	varchar(300)
location	varchar(50)
objective	varchar(500)
hobbies	varchar(500)
certifications	varchar(500)
added_date	date

(resume_id foreign key references pk of resume table)

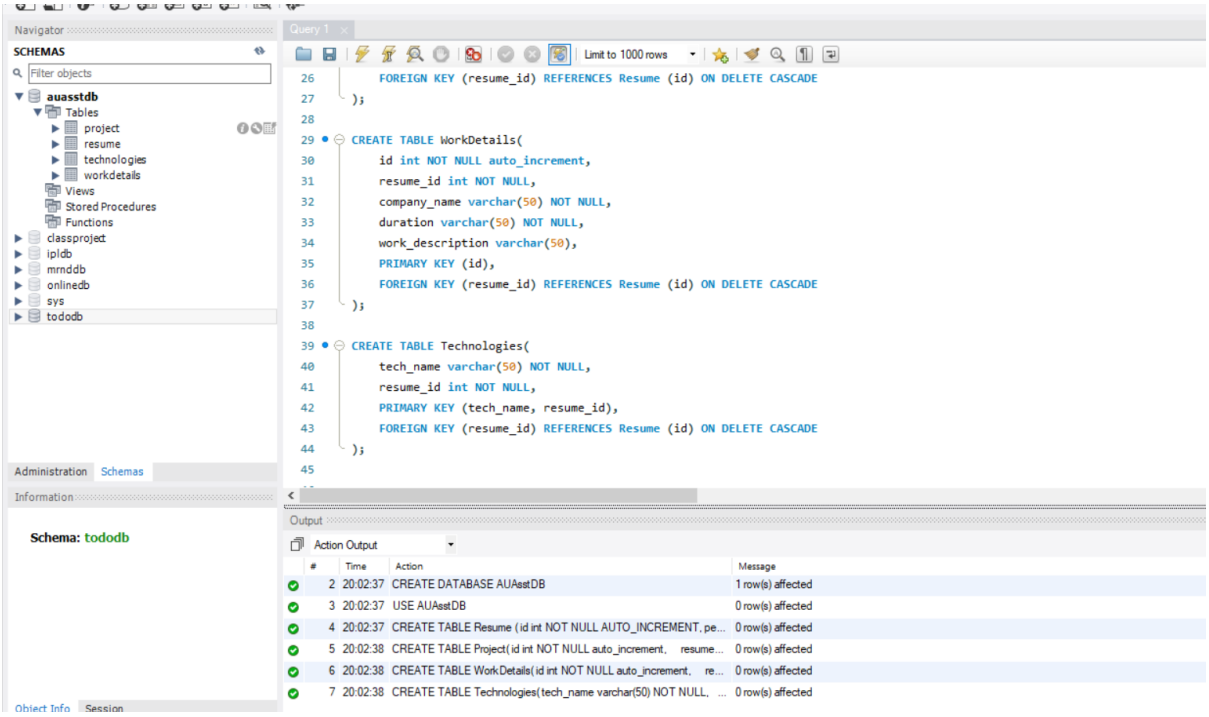
WORK DETAILS:

(resume_id foreign key references pk of resume table)

TECHNOLOGIES:

(resume_id foreign key references pk of resume table)

1. CREATING TABLES

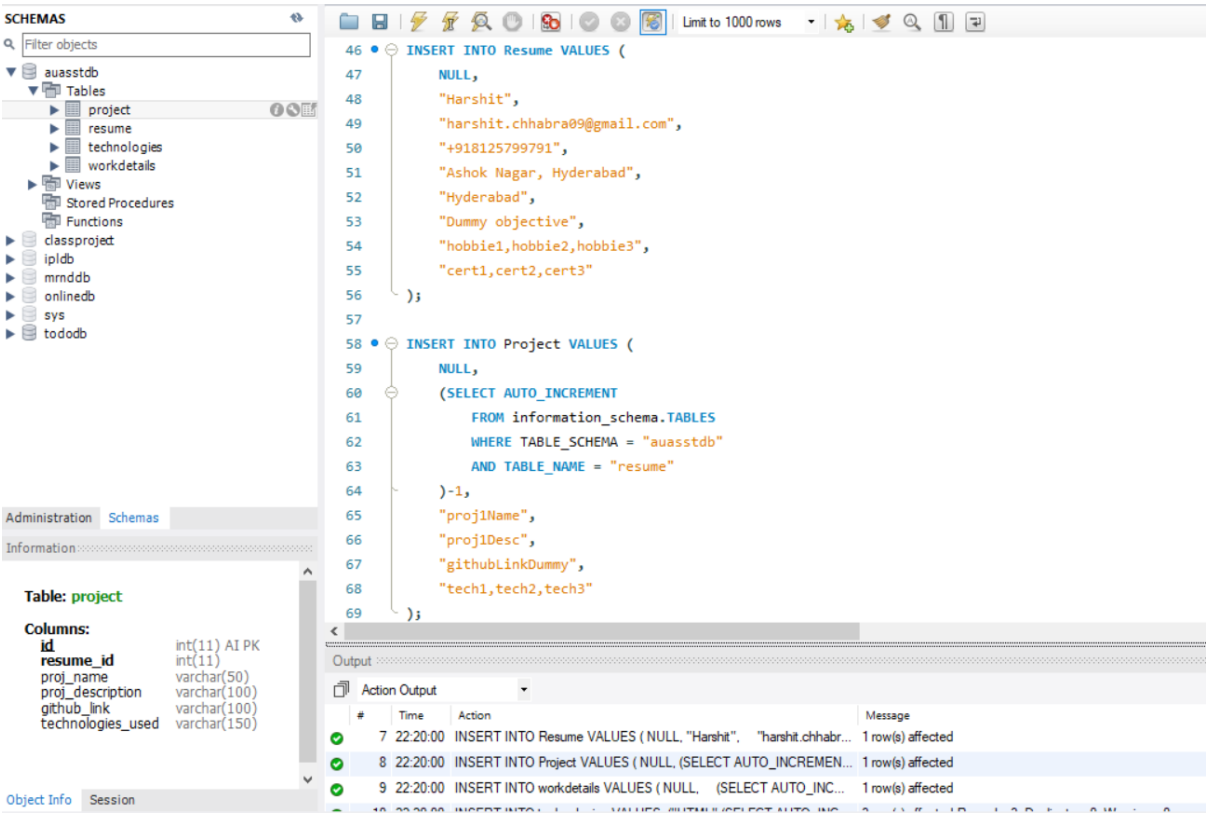


```
    FOREIGN KEY (resume_id) REFERENCES Resume (id) ON DELETE CASCADE
);

CREATE TABLE WorkDetails(
    id int NOT NULL auto_increment,
    resume_id int NOT NULL,
    company_name varchar(50) NOT NULL,
    duration varchar(50) NOT NULL,
    work_description varchar(50),
    PRIMARY KEY (id),
    FOREIGN KEY (resume_id) REFERENCES Resume (id) ON DELETE CASCADE
);

CREATE TABLE Technologies(
    tech_name varchar(50) NOT NULL,
    resume_id int NOT NULL,
    PRIMARY KEY (tech_name, resume_id),
    FOREIGN KEY (resume_id) REFERENCES Resume (id) ON DELETE CASCADE
);
```

Schema: tododb

#	Time	Action	Message
2	20:02:37	CREATE DATABASE AUAsstDB	1 row(s) affected
3	20:02:37	USE AUAsstDB	0 row(s) affected
4	20:02:37	CREATE TABLE Resume (id int NOT NULL AUTO_INCREMENT, pe...	0 row(s) affected
5	20:02:38	CREATE TABLE Project(id int NOT NULL auto_increment, resume...	0 row(s) affected
6	20:02:38	CREATE TABLE WorkDetails(id int NOT NULL auto_increment, re...	0 row(s) affected
7	20:02:38	CREATE TABLE Technologies(tech_name varchar(50) NOT NULL, ...	0 row(s) affected

2. INSERTING INTO DB



```
INSERT INTO Resume VALUES (
    NULL,
    "Harshit",
    "harshit.chhabra09@gmail.com",
    "+918125799791",
    "Ashok Nagar, Hyderabad",
    "Hyderabad",
    "Dummy objective",
    "hobbie1,hobbie2,hobbie3",
    "cert1,cert2,cert3"
);

INSERT INTO Project VALUES (
    NULL,
    (SELECT AUTO_INCREMENT
        FROM information_schema.TABLES
        WHERE TABLE_SCHEMA = "auasstdb"
        AND TABLE_NAME = "resume"
    )-1,
    "proj1Name",
    "proj1Desc",
    "githubLinkDummy",
    "tech1,tech2,tech3"
);
```

Table: project

Columns:

id	int(11) AI PK
resume_id	int(11)
proj_name	varchar(50)
proj_description	varchar(100)
github_link	varchar(100)
technologies_used	varchar(150)

#	Time	Action	Message
7	22:20:00	INSERT INTO Resume VALUES (NULL, "Harshit", "harshit.chhabr...	1 row(s) affected
8	22:20:00	INSERT INTO Project VALUES (NULL, (SELECT AUTO_INCREMEN...	1 row(s) affected
9	22:20:00	INSERT INTO workdetails VALUES (NULL, (SELECT AUTO_INC...	1 row(s) affected

**** BULK ENTRY OF DATA WAS DONE WITH DUMMY DATA (STATIC INPUTS)**

**** QUERY FOR THE SAME CAN BE FOUND IN THE SQL SCRIPT**

3.1 Get list of candidates based in ‘Hyderabad’ which were added to the system in the past 3 months.

```
SELECT * FROM resume WHERE location = "Hyderabad"
 AND DATEDIFF(added_date,(SELECT CURDATE()))<=90;
```

id	person_name	email	phone	address	location	objective	hobbies	certifications
1	Harshit	harshit.chhabra09@gmail.com	+918125799791	Ashok Nagar, Hyderabad	Hyderabad	Dummy objective	hobbie1,hobbie2,hobbie3	cert1,cert2,cert3

3.2 Get count of candidates in all cities, who know Javascript and Html.

```
SELECT COUNT(*) as Count,location as City from resume r WHERE
 EXISTS (SELECT * from technologies WHERE r.id = resume_id AND tech_name = "HTML")
 AND
 EXISTS (SELECT * from technologies WHERE r.id = resume_id AND tech_name = "Javascript") GROUP BY City;
```

Count	City
1	Hyderabad
1	loc2
1	loc3

3.3 Get list of all candidates sorted by “maximum number of technologies known to him/her”

```
SELECT person_name as CandidateName, (SELECT COUNT(*) FROM technologies WHERE r.id = resume_id)
as Total_No_Of_Tech_Known FROM resume r ORDER BY Total_No_Of_Tech_Known desc;
```

CandidateName	Total_No_Of_Tech_Known
Harshit	3
name3	3
name5	3
name2	2
name4	2

Result 24 | Read Only

3.4 Create a view that HR can query everyday to get the new candidates added previous day. (Include all necessary fields required by HR)

```
CREATE VIEW AddedYesterday AS
SELECT person_name, email, phone, added_date FROM resume WHERE added_date = (SELECT DATE_SUB((SELECT CURDATE()), INTERVAL 1 DAY));

SELECT * FROM AddedYesterday;
```

person_name	email	phone	added_date
name2	email2	phone2	2020-01-14
name5	email5	phone5	2020-01-14

AddedYesterday 25 | Read Only