**CREATE TABLE STATAMENTS**

**Existing Tables:**

1.Neu\_Program:

CREATE TABLE NEU\_Program (

program\_name varchar(100),

duration varchar(100),

program\_url varchar(255),

PRIMARY KEY (program\_name)

);

2. NEU\_Course\_Catalog:

CREATE TABLE NEU\_Course\_Catalog (

program\_name varchar(50),

course\_id varchar(50),

course\_name varchar(100),

course\_description longtext,

PRIMARY KEY (course\_id)

);

3. NEU\_Event Table:

CREATE TABLE NEU\_Event (

event\_id integer auto\_increment,

program\_name varchar(50),

event\_name varchar(255),

Primary Key (event\_id)

);

4. Course\_Core\_Requirement Table:

CREATE TABLE course\_core\_requirement (

core\_course\_id integer auto\_increment,

program\_name varchar(50),

course\_id varchar(50),

course\_name varchar(100),

PRIMARY KEY (core\_course\_id)

);

**Newly Created Table for Normalization:**

5. NEU\_Faculty Table:

CREATE TABLE neu\_faculty (

faculty\_name varchar(255),

faculty\_rating integer,

PRIMARY KEY (faculty\_name)

);

6. NEU\_Course\_Faculty Table:

CREATE TABLE NEU\_Course\_Faculty (

fac\_course\_id integer auto\_increment,

faculty\_name varchar(255),

course\_id integer,

PRIMARY KEY (fac\_course\_id)

);

Auto Increment

ALTER TABLE NEU\_Course\_Faculty AUTO\_INCREMENT=4280;

7. NEU\_Course\_Specialization Table:

CREATE TABLE NEU\_Course\_Specialization (

spec\_course\_id integer auto\_increment,

specialization\_id integer,

course\_id integer,

credit\_hours integer,

PRIMARY KEY (spec\_course\_id )

);

Auto Increment

ALTER TABLE NEU\_Course\_Specialization AUTO\_INCREMENT=6700;

8. NEU\_Specialization Table:

CREATE TABLE NEU \_Specialization (

specialization\_id integer,

specialization\_name,

PRIMARY KEY (specialization\_id )

);

9. NEU\_Resource\_Materials table:

CREATE TABLE NEU\_Resource\_Materials(

software\_name varchar(255),

software\_download\_url longtext,

professional\_certification longtext,

online\_platform longtext,

PRIMARY KEY (software\_name)

);

10. NEU\_Course\_Resource table:

CREATE TABLE NEU\_Course\_Resource (

course\_resource\_id integer auto\_increment,

course\_id varchar(255),

software\_name varchar(255),

course\_rating integer,

PRIMARY KEY (course\_resource\_id)

);

Auto Increment

ALTER TABLE NEU\_Course\_Resource AUTO\_INCREMENT=5233;

11. Job\_Info table:

CREATE TABLE Job\_Info (

Job\_no integer auto\_increment,

title varchar(255),

job\_id varchar(255),

company\_name varchar(255),

location varchar(255),

date\_posted date ,

link longtext,

description longtext,

seniority\_level varchar(255) ,

employement\_type varchar(255),

job\_function varchar(255),

industry varchar(255),

primary key (job\_No)

);

Auto Increment

ALTER TABLE Job\_info AUTO\_INCREMENT=601;

12. Program\_jobs Table:

CREATE TABLE Program\_jobs (

program\_job\_no integer auto\_increment,

job\_id varchar (255),

program\_name varchar(255),

PRIMARY KEY (program\_job\_no)

);

Auto Increment :

ALTER TABLE Job\_info AUTO\_INCREMENT=10178;

Foreign Constraints:

ALTER TABLE NEU\_Course\_Catalogs

ADD CONSTRAINT NEU\_Course\_Catalog\_fk1 FOREIGN KEY (program\_name)

REFERENCES NEU\_Programs(program\_name);

ALTER TABLE Course\_Core\_Requirements

ADD CONSTRAINT NEU\_Course\_Core\_Requirement\_fk1 FOREIGN KEY (program\_name)

REFERENCES NEU\_Programs(program\_name);

ALTER TABLE Course\_Core\_Requirements

ADD CONSTRAINT NEU\_Course\_Core\_Requirement\_fk1 FOREIGN KEY (program\_name)

REFERENCES NEU\_Programs(program\_name);

ALTER TABLE NEU\_Events

ADD CONSTRAINT NEU\_Event\_fk1 FOREIGN KEY (program\_name)

REFERENCES NEU\_Programs(program\_name);

ALTER TABLE NEU\_Course\_Facultys

ADD CONSTRAINT NEU\_Course\_Facultys\_fk1 FOREIGN KEY (course\_id)

REFERENCES NEU\_Course\_Catalogs(course\_id);

ALTER TABLE NEU\_Course\_Facultys

ADD CONSTRAINT NEU\_Course\_Facultys\_fk2 FOREIGN KEY (faculty\_name)

REFERENCES Neu\_facultys(faculty\_name);

ALTER TABLE NEU\_Course\_Specializations

ADD CONSTRAINT NEU\_Course\_Specializations\_fk1 FOREIGN KEY (course\_id)

REFERENCES NEU\_Course\_Catalogs(course\_id);

ALTER TABLE NEU\_Course\_Specializations

ADD CONSTRAINT NEU\_Course\_Specializations\_fk2 FOREIGN KEY (specialization\_id)

REFERENCES NEU\_Specializations(specialization\_id);

ALTER TABLE NEU\_Course\_resources

ADD CONSTRAINT NEU\_Course\_resources\_fk1 FOREIGN KEY (course\_id)

REFERENCES NEU\_Course\_Catalogs(course\_id);

ALTER TABLE NEU\_Course\_resources

ADD CONSTRAINT NEU\_Course\_resources\_fk2 FOREIGN KEY (software\_name)

REFERENCES NEU\_Resource\_material(software\_name);

ALTER TABLE Programs\_jobs

ADD CONSTRAINT Programs\_jobs\_fk1 FOREIGN KEY (program\_name)

REFERENCES NEU\_Programs(program\_name);

ALTER TABLE Programs\_jobs

ADD CONSTRAINT Programs\_jobs\_fk1 FOREIGN KEY (job\_id)

REFERENCES Jobs\_Info(job\_id);