

CREATE TABLE STATEMENTS

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) ,  
employment_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);
```