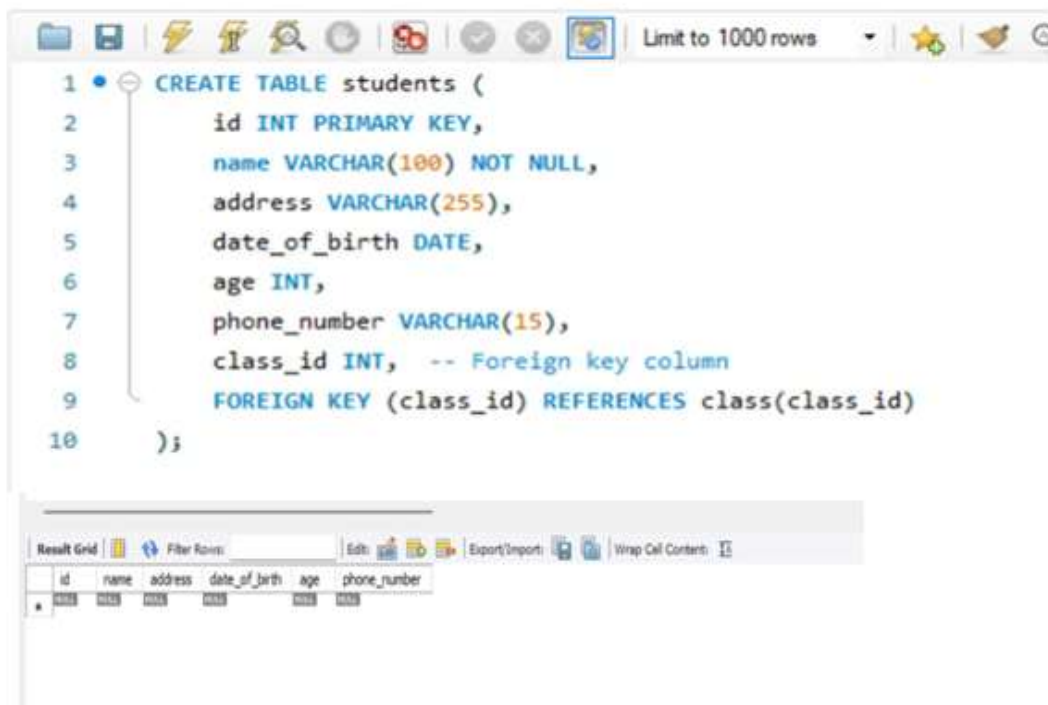


CONVERTING NORMALIZED TABLE INTO SQL.

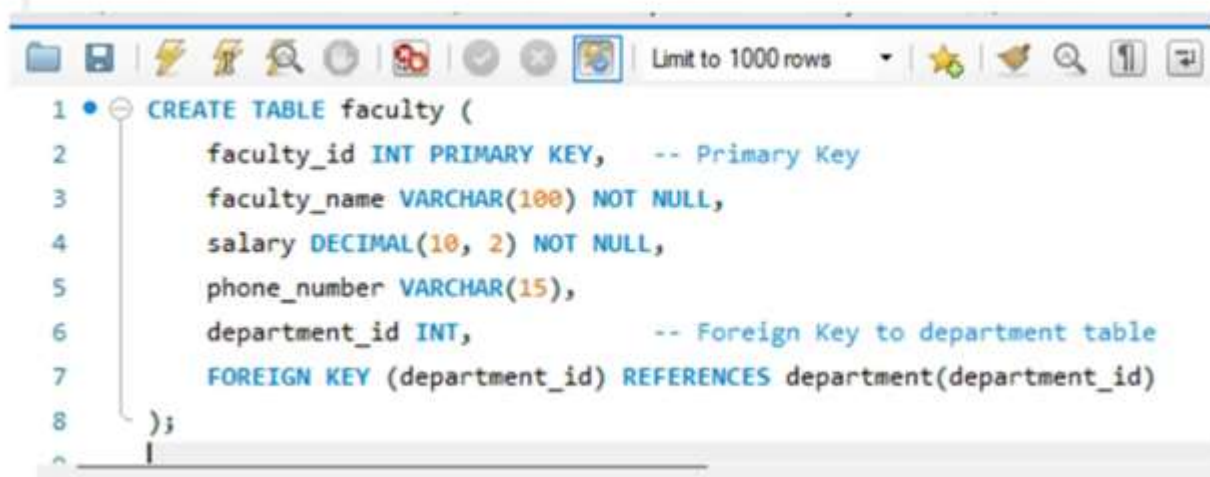


The screenshot shows a SQL IDE window with a toolbar at the top. The main text area contains the following SQL code:

```
1 CREATE TABLE students (  
2     id INT PRIMARY KEY,  
3     name VARCHAR(100) NOT NULL,  
4     address VARCHAR(255),  
5     date_of_birth DATE,  
6     age INT,  
7     phone_number VARCHAR(15),  
8     class_id INT, -- Foreign key column  
9     FOREIGN KEY (class_id) REFERENCES class(class_id)  
10 );
```

Below the code editor, there is a 'Result Grid' section with a table showing the columns of the 'students' table:

id	name	address	date_of_birth	age	phone_number
NULL	NULL	NULL	NULL	NULL	NULL



The screenshot shows a SQL IDE window with a toolbar at the top. The main text area contains the following SQL code:

```
1 CREATE TABLE faculty (  
2     faculty_id INT PRIMARY KEY, -- Primary Key  
3     faculty_name VARCHAR(100) NOT NULL,  
4     salary DECIMAL(10, 2) NOT NULL,  
5     phone_number VARCHAR(15),  
6     department_id INT, -- Foreign Key to department table  
7     FOREIGN KEY (department_id) REFERENCES department(department_id)  
8 );
```



The screenshot shows the 'Result Grid' section of the SQL IDE. It displays a table with the columns of the 'faculty' table:

faculty_id	faculty_name	salary	mobile_number
NULL	NULL	NULL	NULL

```
1 • CREATE TABLE subjects (  
2     subject_no INT PRIMARY KEY,    -- Primary Key  
3     subject_name VARCHAR(100) NOT NULL,  
4     department_id INT,             -- Foreign Key to department table  
5     FOREIGN KEY (department_id) REFERENCES department(department_id)  
6 );  
7
```

```
1 • CREATE TABLE exams (  
2     exam_code INT PRIMARY KEY,  
3     room_no INT NOT NULL,  
4     exam_date DATE NOT NULL,  
5     course_id INT,  
6     CONSTRAINT fk_course FOREIGN KEY (course_id) REFERENCES courses(course_id)  
7 );  
8
```

Result Grid

subject_no	subject_name
10035	10035

```
1 • CREATE TABLE DEPARTMENT (  
2     DEPT_ID INT PRIMARY KEY,  
3     DEPT_NAME VARCHAR(100) NOT NULL,  
4     manager_id INT,  
5     CONSTRAINT fk_manager FOREIGN KEY (manager_id) REFERENCES EMPLOYEES(emp_id)  
6 );  
7
```

Result Grid

dept_id	dept_name
10035	10035

```
231410_ex_4  exp5*  experiment no 5  SQL File 5*  SQL File 6*  SQL File 7*  SQL File 8* x
Limit to 1000 rows
1 CREATE TABLE COURSE (
2     COURSE_ID INT PRIMARY KEY,
3     COURSE_NAME VARCHAR(100) NOT NULL,
4     COURSE_DURATION INT NOT NULL,
5     dept_id INT,
6     CONSTRAINT fk_department FOREIGN KEY (dept_id) REFERENCES DEPARTMENT(DEPT_ID)
7 );
8
```

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content: |

	course_id	course_name	duration
*	NULL	NULL	NULL

```
Limit to 1000 rows
1 CREATE TABLE HOSTEL (
2     HOSTEL_ID INT PRIMARY KEY,
3     HOSTEL_NAME VARCHAR(100) NOT NULL,
4     NO_OF_SEATS INT NOT NULL,
5     dept_id INT,
6     CONSTRAINT fk_department FOREIGN KEY (dept_id) REFERENCES DEPARTMENT(DEPT_ID)
7 );
8
```

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content: |

	hostel_id	hostel_name	no_of_seats
*	NULL	NULL	NULL