INF first normal form:

1. **Table Departments:** <u>(Department_ID)</u> - (Depart_name) - (required credits)

2. **Table Departments_Location:** <u>(Department ID)(FK) - (Location)</u>

3. **Table students:** <u>(student_ID)</u> - (First_name) - (Last_name) - (Gender) - (Department_ID) <u>(FK)</u> - (Date_of_birth) - (Address)

4. **Table students _Email:** <u>(student_ID) (FK) - (Email)</u>

5. **Table Registration:** <u>(student_ID) (FK) - (courses_ID) (FK) Department_ID(FK)</u>– schedule

6. **Table courses:** <u>(courses_ID)</u> - (Department_ID) <u>(FK)</u> - (course_name) -(credit_hours) - (Success_Grade)

7. **Table Grades:** <u>(student_ID) (FK) - (courses_ID) (FK)</u> - (Department_ID) <u>(FK)</u> - (Success_Grade) - (student_Grade) - (result_status)

8. **Table GPA:** <u>(student_ID) (FK) - (Department_ID) (FK)</u> - registered_hours – Final_GPA - final_result

2NF second normal form and 3NF third normal form

1. **Table Departments:** <u>(Department_ID)</u> - (Depart_name) - (required credits)

2. **Table Departments_Location:** <u>(Department ID)(FK) - (Location)</u>

3. **Table students:** <u>(student_ID)</u> - (First_name) - (Last_name) - (Gender) - (Department_ID) <u>(FK)</u> - (Date_of_birth) - (Address)

4. **Table students _Email:** <u>(student_ID) (FK) - (Email)</u>

5. **Table Registration:** <u>(student_ID) (FK) - (courses_ID) (FK) Department_ID(FK)–</u> schedule

6. **Table courses:** <u>(courses_ID)</u> - (Department_ID) <u>(FK)</u> - (course_name) -(credit_hours) - (Success_Grade)

7. **Table Grades:** (student_ID) <u>(FK)</u> - (courses_ID) <u>(FK)</u> - (Department_ID) <u>(FK)</u> - (Success_Grade)

8. **Table students_Grades:** (student_ID) <u>(FK)</u> - (student_Grade) - (result_status)

9. **Table GPA:** <u>(student_ID) (FK) -</u> (Department_ID) <u>(FK)</u> - registered_hours – Final_GPA - final_result