

## Theory Assignment Report

Only for course Teacher						
		Needs Improvement	Developing	Sufficient	Above Average	Total Mark
Allocate mark & Percentage		25%	50%	75%	100%	5
Clarity	1					
<b>Content Quality</b>	2					
Spelling & Grammar	1					
Organization and Formatting	1					
Total obtained mark						
Comments						

**Semester: SPRING 2025** 

Student Name: S. M. Nihal Ahmed

**Student ID: 232-35-002** 

Batch: 41 Section: C

**Course Code: SE223** 

**Course Name: Database System** 

Course Teacher Name: Kazi Rifat Ahmed

**Designation:** Lecturer

**Submission Date: 12/02/2025** 

- Basic Bueries:

  (1) TName (Students)
- (Instructores)

  Trame (Instructores)

  Trame (Courses)
  - TNorma (6 Department = 'compaterz Science' (Studints))
- Name (6 Department = 1 Mathematics (Fristructors))
- 6 Thouse Name (6 credits> 3 (lowerses))
- TName (6 year = 3 (Students))
- Name (6 Name LIKE 1/4). (Students))
- The Cours Name (6 Department Physics (Firstmurfors) De Courses)
- Tome (Students & Ennollments)

- Join Operations

  11. Thome, CouseName (Students & Enrallments & Couses)
- Nome, CourseNome (Instructores & Courses)
- Name, brade, Course Nome (Students & Ennollments & Courses)
- Thome (Students M Enrullment M (Instructory M 6 opportment = "Computer Science")
- Trame (Students A Enrollments M & Credit, 3 (Courses))
- Trame (Instructors N6 credit 2 (lowrses))
- 17.
  Name (Students M Enradlments M (Instractors M 6 Name LIKE 'BY. (Instractors)))
- 18. Thome (Students M Enrollments M 6 eourseNome LIKE 'Y. Database' (Courses))
- 19). Twome (Students M Enrollements M (Instructors M 6 students, Depositment = Instructure
- 20. A Name (Students M Ennollments M (Instructors M 6 Students, Name = Instructor, Deportment (tistue!)

Set operations Name (6 Department = recomputer Science (Students)) UT Name (6 credit) & Shouts) (Students) & n # Name (6 credits < 2 Thome (6 Depostment = 1 physics) - Thome (Students & Enrollments) Thome (68 lowise Name = Database Systems 1 M Ennollments in Students) 1) (6 course Name = 'operating System' (Lourse) & Enrollment & Students)) Thame (6 courseNome = 1 Database Systems! M Friedlements to Students)-(General Name = 16 perating Systems' & Ennalements A students))

Aggregitation and Benouping A Department, Count (Students) \*InstructorID, count (CowaseID) (Instructors M (Gurser M Enrollments)) T. AVG (Grade) (Enrollments) Nome (6 AVG (Grade) >80 (Frurollemnts. M Students)) (Courses & Ennolments The Course Name (6 count (Studentso)) = Maix (Count (Studentso)) (Student & Enrudlment))

Name (6 court (Course ID) = MAX (Court (Course ID)) (Enrollments) Thome (Students - TstudentTD (Ennalments))

(StudentS)

(Lower & Finalment))

Thame (Instructors - TinstructorI)

Thome (Students M Enrollements M (6 Deportment = 1 Computer Scienc) M Course

Thouse ID (6 Depostment = 1 computer setence (instructors)

M Courses)

Thame (Students & Enrollments & (Goradits > 3 (Lowrsen))) 
Thomse (Students & Enrollments & (Goradits > 3 (Lowrsen))) 
Thomse (Students & Enrollments & (Goradits > 3 (Lowrsen)))

Thame (Instructors of 6: Department='Mathematics' of Courses)

- TeowseID & Department = Mathematics (Instructions)

\*\* HouseID & Department = Mathematics (Instructions)

\*\* HouseS))

Nome (Students M'Ennollments M (6 Name LIKE 1C1.)

M'Courses)) - Tologer 10 (6 Name LIKE 1C1.)

Courses

Courses

Advanched Bueries

(Shobots N Ennallments) M

Name (Shobots N Ennallments) Trame

(Cstudents M Ennallments) (6 Deportment = 1 Physics (Instructions) & Courses)) Name (Students): Teauset) ((Instruetors M Students) M (autism) Trame (6 court (course [0) >2 (Fretructory

Name (Students): The Course I) (6 proximent = "compecter Science"

M. Course I) M Courses) Prome (Students & Enrallments & (Instructors & 6 pepartment 1

(Instructor)

\*\*Department 2 Thome (Students A Ennollments & (6 Name LIKE 4ex.) (Students M Enrullments M (Instructory : M 6 Student. Name = Instructory. Name (Instructory))

Mame ((Students & Ennallments & (6)
Department = 'Mathematics' M (ourses)) - (Students & Emallments A (6 pepartment - physics) (Instructors)
(A couses)) Name Gade > 20 (Students M. Ennollments M. (6 Name LIKE A), (Instructions)

Name Gade > 20 (Students M. Ennollments M. (6 Name LIKE A), (Instructions)) There 6 Gade X 60 (Students & Enrollment & 16 popontment - Computer science (Enstructon)

\*\*Receives )