

## SQL Practice Assignment

This assignment is designed to help you practice SQL concepts such as aggregate functions, GROUP BY, different types of JOINS, and ORDER BY. Use the provided sample tables and data to write queries.

### Sample Tables and Data

Table: Students

StudentID	Name	Age	DepartmentID
1	Amit	20	1
2	Riya	22	2
3	Karan	21	1
4	Neha	23	3
5	Arjun	20	2

Table: Departments

DepartmentID	DepartmentName
1	Computer Science
2	Mathematics
3	Physics

Table: Marks

MarkID	StudentID	Subject	Marks
1	1	DBMS	85
2	1	AI	90
3	2	DBMS	75
4	2	AI	80

5	3	DBMS	88
6	4	AI	92
7	5	DBMS	70

### Assignment Questions

1. Retrieve all students along with their department names.
2. Find the average marks obtained by each student.
3. Find the maximum marks in each subject.
4. List students who scored more than 80 in all subject.
5. Retrieve all students ordered by their average marks in descending order.
6. Find the total marks scored by students in each department.
7. Display students who have not received any marks yet.
8. Retrieve department names along with the number of students enrolled in each department.
9. Find the student with the highest marks in AI subject.
10. Display all students along with their average marks (if any), showing 0 where marks are not available.