

Training Database of the Chair of Computing in Civil Engineering

Bauhaus Universität-Weimar

University

Exercises:

1. Show the Names and StudentID of all participants of the Computing in Civil Engineering course.
2. Calculate the average grade of the Geotechnical Engineering course.
3. Calculate the average grade of Ms. Klemm.
4. Show the Names, StudentID and Lectures of every student who has failed a test.

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Solutions:

1. SELECT Students.StudentID, Students.Name FROM Students, Grades, Lectures WHERE Lectures.Titel = "Computing in civil Engineering" AND Lectures.LectureID = Grades.LectureID AND Grades.StudentID = Students.StudentID
2. SELECT Lectures.Titel AS Titel, AVG(Grade) AS AverageGrade FROM Grades, Lectures WHERE Grades.LectureID = Lectures.LectureID AND Lectures.Titel = "Geotechnical Engineering" GROUP BY Titel
3. SELECT Students.Name AS Name, AVG(Grade) AS AverageGrade FROM Grades, Students WHERE Grades.StudentID = Students.StudentID AND Students.Name = "Klemm" GROUP BY NAME
4. SELECT Students.StudentID, Name, Titel FROM Students, Grades, Lectures WHERE Students.StudentID = Grades.StudentID AND Grade= 5 AND Lectures.LectureID = Grades.LectureID