



CL2005- Database Systems Lab

Lab Assignment 01 Section BSE-4B

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| Instructor | Aliza Saeed |
| Semester | Spring 2022 |

FAST NUCES Database

1. Start Access and open a new blank database. Name the database “FAST_NUCES”.
2. Create table “Student”
3. Add the following fields as specified:

| Field Name | Data Type |
|------------------------------|--|
| Roll No (Primary key) | Short Text |
| Name | Short Text Default Value: Jane Doe |
| Department ID | Number |
| Age | Number |
| NIC | Short Text |
| GPA | Number (2 Decimal Places) Default Value: 0.00 |
| Warning Count | Number Default Value: 0 |

4. Create table “Department”
5. Add the following fields as specified:

| Field Name | Data Type |
|------------------------------------|---------------------------------------|
| Department ID (Primary key) | Number |
| Department Name | Short Text Default Value: Invalid |
| Total Students | Number Default Value: 0 |
| Total Faculty Members | Number Default Value: 0 |
| HOD Name | Short Text Default Value: Jane Doe |

6. Add 10 records in student table.
7. Add 2 records in department table.
8. Design forms (Test of design Aesthetics) for each table to enter data.
9. Add 5 more records in student table using form.
10. Add 2 more records in department table using form.
11. Create two excel spreadsheets. One will contain the data of 5 additional students and one will contain the data of two more departments. The columns in the excel sheet should be same as the columns of the respective table. Save and close the excel workbook.
12. Import the data from excel to MS Access.
13. Generate a report of students enrolled in CS Department & name the report “CS_Students”.
14. Generate a report of students having GPA greater than 3.5 & name the report “DeanListStudents”
15. Generate a report of students having warning count greater than Zero & name the report “InDangerStudents”
16. Generate a report of departments in which the no. of students is greater than 200 & name the report “LargeDepartments”
17. Generate a report of departments in which the no of faculty members is less than 10 & name the report “DepartmentsInNeedOfFaculty”
18. Export both the tables in excel spread sheets.

Marking Criteria

Assignment will be marked on the basis of:

1. How well the student followed the guidelines mentioned in the assignment.
2. Tasks completed.

Submission Guidelines

1. Copy and paste all the relevant material including MS Access & Excel files in a folder named “FXX_XXXX” (Replace the ‘X’ with your roll no.)
2. Zip the folder.
3. Submit the folder on classroom before the deadline.
4. No submissions will be accepted after the deadline.

Good Luck!! 