

## Assignment 8

Read carefully the following instructions and complete the assignment not later than the deadline.

Download from the course website the file lab08.mdb.

Complete the following on the lab08.mdb file.

1. Create the following forms
  - a. **StudentForm** with all entry fields corresponding to the table “students” except the fields “Credits”, “Exams” and “GPA”.
  - b. **BookForm** with all entry fields corresponding to the table “books”
  - c. **ProfessorForm** with all entry fields corresponding to the table “professors”
  - d. **CoursesForm** with all entry fields corresponding to the table “courses”
2. Create the following queries:
  - a. **Query1:** Select names, surnames and GPA of all the students whose GPA is  $< 3$  and were born among 1960 and 1980.
  - b. **Query2:** Select studentID, names, surnames of all students majoring in CS with number of exams  $> 10$ .
  - c. **Query3:** Select all UNYT courses form table “courses”
  - d. **Query4:** Select all courses which start either with “Ma” or “Da”.
  - e. **Query5:** Select all the enrolled students form table “enrolled” and insert a new calculated field as follows: MarkUK: Mark-EU \* 0,7.
  - f. **Query6:** Select all records from table “students”, grouped by Major and the average number of exams per major.
  - g. **Query7:** Select all records from table “students”, grouped by Major and the average birthdate per major.
  - h. **Query8:** Select all records from table “students” grouped by Major with minimum number of exams.
  - i. **Query9:** Select all records from table “classrooms” where the professor with ID = 3 has taught in the morning.
  - j. **Query10:** Select the title and the year of the books borrowed by student with ID bigger than 1.
3. Create the following Reports
  - a. **StudentReport** with all entry fields corresponding to the table “students”
  - b. **BookReport** with all entry fields corresponding to the table “books”
  - c. **ProfessorReport** with all entry fields corresponding to the table “professors”
  - d. **CoursesForm** with all entry fields corresponding to the table “courses”
  - e. **AvgExamsMajor:** with all entry fields of **Query6** ordered in ascending order of Major.
  - f. **AvgBirthMajor:** with all entry fields of **Query7** ordered in descending order of birthdate.
4. Save the file with name-surname-assignment8.mdb and send it to [marenglenbiba@unyt.edu.al](mailto:marenglenbiba@unyt.edu.al) not later than February 1<sup>st</sup> 6.00 PM.