

Part I: [50] Multiple choice

Contains multiple choice and True/False questions. See Mid-Term example

Part II: [25] HTML

See Assignment # 4

Part III: [25] MS Access:

1. Design two tables, which are part of a database, by completing the forms below. Enter information only in cells where the cell is applicable to the field. The following assumptions are to be used:

- Student ID contains 9 alphanumeric symbols
- No first or last name is longer than 25 characters
- Most students live in Toronto
- Most students have phone numbers with the area code 416
- No course code is longer than 8 characters
- A mark is added to the table only if it is greater than or equal to 50
- Maximum mark is 100

Table: Student

Field Name	Field Type	Field Length/Subtype	Primary Key (check if true)	Default Value	Validation Rule
Student ID					
First Name					
Last Name					
Street number					
Street Address					
City					
Phone Area Code					
Phone Number					

Table: Mark

Field Name	Field Type	Field Length/ subtype	Primary Key (check if true)	Default Value	Validation Rule
Record ID					
Student ID					
Course Code					
Mark					

2. Complete the query design below to create a query, which returns all students (first and last names, course code and mark) who have B+ grade for the course ITEC1010. Note: B+ grade corresponds to the range 75 – 79 including margins.

Field:					
Table:					
Sort:					
Show:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Criteria:					
Or					

3. Complete the query design below to create a query, which returns all students (last and first names and courses they took) who live outside Toronto and have Marks other than B and B+.

Field:					
Table:					
Sort:					
Show:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Criteria:					
Or					

Part I

Part II

See Assignment # 4

Part III

Table: Student

Field Name	Field Type	Field Length/Subtype	Primary Key (check if true)	Default Value	Validation Rule
Student ID	Text	9	yes		
First Name	Text	25			
Last Name	Text	25			
Street number	Text	6			
Street Address	Text	30			
City	Text	25		=”Toronto”	
Phone Area Code	Text	3		=”416”	
Phone Number	Text	7			

Table: Mark

Field Name	Field Type	Field Length/subtype	Primary Key (check if true)	Default Value	Validation Rule
Record ID	Text	9	yes		
Student ID	Text	9			
Course Code	Text	8			
Mark	Number	Integer			>=50 and <=100

2. Complete the query design below to create a query, which returns all students (first and last names, course code and mark) who have B+ grade for the course ITEC1010. Note: B+ grade corresponds to the range 75 – 79 including margins.

Field:	First Name	Last Name	Course Code	Mark	
Table:	Student	Student	Mark	Mark	
Sort:					
Show:	X	X	X	X	<input type="checkbox"/>
Criteria:			=”ITEC1010”	>=74 and <=79	
Or					

3. Complete the query design below to create a query, which returns all students (last and first names and courses they took) who live outside Toronto and have Marks other than B and B+.

Field:	Last Name	First Name	City	Mark	Course Code
Table:	Student	Student	Student	Mark	Mark
Sort:					
Show:	X	X	<input type="checkbox"/>	<input type="checkbox"/>	X
Criteria:			<> ”Toronto”	<=69 or >=80	
Or					