1737

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MCA/ IV Sem.
Paper MCA- 404 Database Applications
(Admissions of 2007 and onwards)

Time : 3hours   *Maximum Marks :60*

(Write your Roll No. on the top immediately on receipt of this question paper.)

All questions are compulsory.
All questions carry equal marks.
Parts of a question should be answered together.

Q1. Write a JavaScript that reads n numbers in an array and counts positives. negatives and zeroes in the entered list of numbers. The web page should accept the value `n` and should not let the user enter any more than n numbers. It should also have two push buttons namely 'Display Numbers' and 'Count' that display the entered numbers and computed counts respectively.   15

Q2. Consider the following ORDERS Table: 8+ 7 =15

ORDER #	CUSTOME R#	ORDERDA TE	SHIPDAT E	SHIPSTRE ET	SHIPCTT Y	SHIPSTAT E	SHIPZI P

1) Modify the ORDERS table to include a count called OrderCt that contains the number of orders in a month. Write a database trigger named CurrOrderTrigger that fires whenever a row is inserted or deleted from the ORDERS Table. The trigger should automatically increase the value of OrderCt whenever a new order is received and decrease the value of OrderCt whenever an existing order is cancelled. In addition, the value of OrderCt should be reset every month.

2) Write a database trigger named MandatoryFieldsTrigger that fires whenever a row is inserted from the ORDERS Table. The trigger should ensure that Customer# and Orderdate fields should not be blank

Q3. Use JavaScript in conjunction with HTML to create and validate the following form for getting information about some pre-defined books (displayed as a dropdown list). The validation rules are:

1. Publisher Name and Publisher code are mandatory fields. The user should not be able to leave them blank.
2. The Publisher name should be in uppercase
3. The Publisher code is a six character alphanumeric string with first character: an uppercase alphabet, 2nd and 3rd characters: numbers, 4th. 5th, 6th characters: lowercase alphabets.

5 (creation of form)- 3*5 =20

Publisher Details:

Publisher Name

Publisher Name:

Company Name:

Type Of Book: ⊙ Technical ○ Non-Technical

Location: ☑ Mumbai ☐ Delhi

Select A Book: MySQL5

Publisher Code:

Comments

SUBMIT   RESET

Q4. Use Switch statement to write a piece of PHP code to display the current month dependent on the current system date.   10