	FACULTY OF COMPUTING	MARKS
Universiti Malaysia PAHANG	**COURSE**: BCS2243 WEB ENGINEERING	
	COMPONENT : JavaScript	
	ASSESSMENT: Lab assignment 4	
	DURATION : 2 hours	

Course Learning Outcomes	Weight Score
CO1 Design appropriate solution using fundamental web engineering concepts.	2%
CO2 Construct a web-based application using web-engineering methodology.	3%
CO3 Demonstrate communication effectively in written and oral form through group discussion, meeting and presentation session.	Not assessed

General Instructions:

1. This assessment is an individual task.
2. You can refer and cite to any notes, references or sample codes from any sources.
3. ALL submission must in **soft-copy** version as followed: -
    a. Original source code with:-
        i. ALL html files (.html).
        ii. ALL images file in a separated folder
        iii. ALL external files (.css, .js)

Question 1

Write a program to display the output as in Figure 1. Use the **input type** for email and age as 'email' and 'number' respectively.

Figure 1

Question 2

Write a program to extract the first two characters of UMP student ID as in Figure 2.

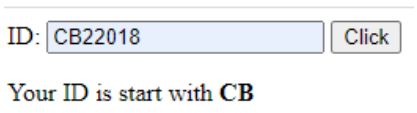


Figure 2

Question 3

Create two input boxes that allow user to insert two numbers as in Figure 3. Both input types should be set as “number”. Write the JavaScript program to calculate the summation of both.

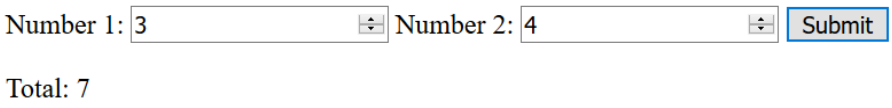


Figure 3

Question 4

Create a page to insert user name and age as in Figure 4. The page will display the user’s name and birth year which calculated from the age that inserted by a user.

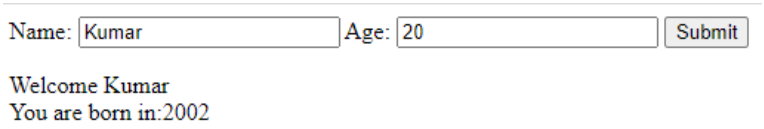


Figure 4

Question 5

Create a simple calculator as in Figure 5. Write the JavaScript program by using else if and switch.

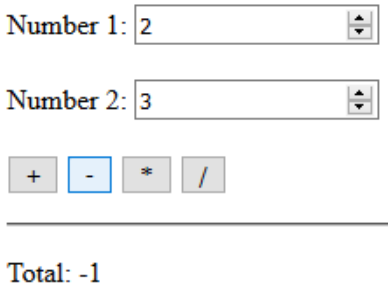


Figure 5

Question 6

Write a JavaScript program to add items in a blank array and display the items as in Figure 6.

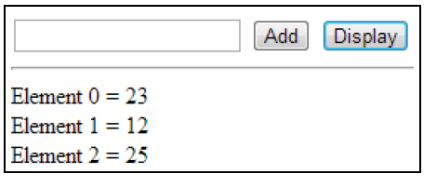
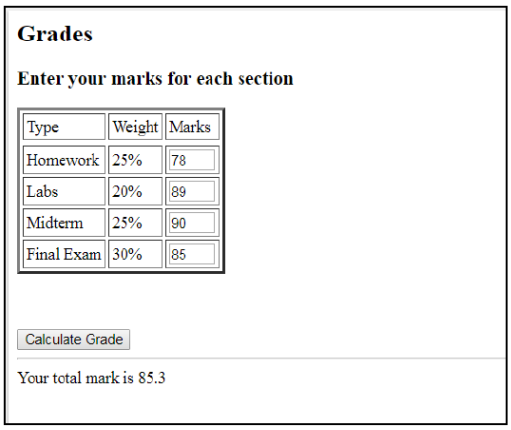


Figure 6

Question 7

Write a JavaScript program to compute the average marks for a course. The average marks obtained will determine the corresponding grade.



Range	Grade
0-49	F
50-59	D
60-69	C
70-79	B
80-100	A

Figure 7