

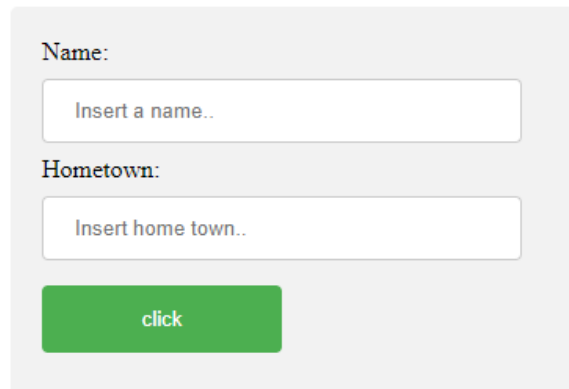
SCS2208 Rapid Application Development

Lab Sheet - Basic JS

Part II

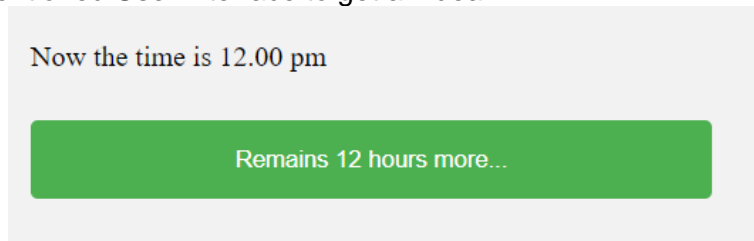
Instructions: below mentioning questions are related to basic JS part II. Each and every question includes a UI design to get an idea. The UI without CSS is also acceptable.

1. Create a form to insert name and hometown. Once clicked the button alert the name and hometown. Provide the JS code for alert name and hometown. Create a user interface as mentioned below.



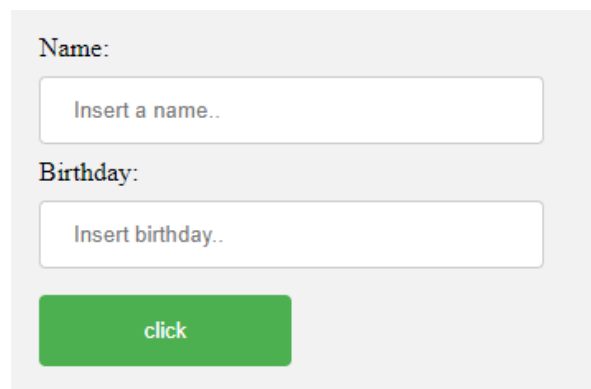
A user interface for a form. It has a light gray background. At the top, the text "Name:" is followed by a white text input field with the placeholder text "Insert a name..". Below this, the text "Hometown:" is followed by another white text input field with the placeholder text "Insert home town..". At the bottom, there is a green rectangular button with the text "click" in white.

2. Write JS code to get the current time and display how many hours are remaining from the day. Use the below mentioned User interface to get an idea.



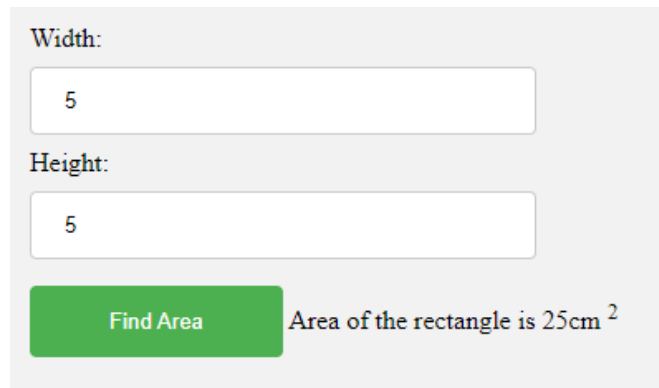
A user interface for a form. It has a light gray background. At the top, the text "Now the time is 12.00 pm" is displayed. Below this, there is a large green rectangular button with the text "Remains 12 hours more..." in white.

3. Create a simple html form including two text fields as mentioned below. Once the name and birthday are inserted, it will alert the age. Mention the JS code which is suitable for fulfilling the task.



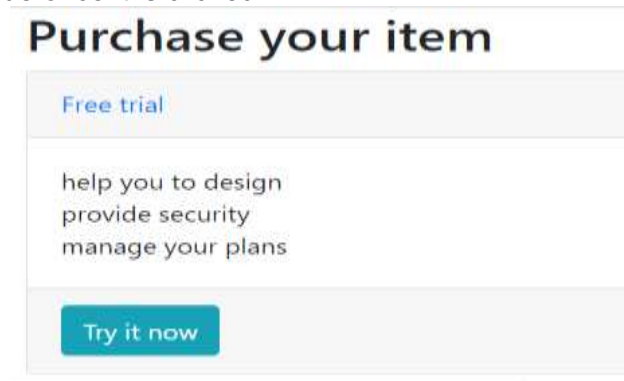
A user interface for a form. It has a light gray background. At the top, the text "Name:" is followed by a white text input field with the placeholder text "Insert a name..". Below this, the text "Birthday:" is followed by another white text input field with the placeholder text "Insert birthday..". At the bottom, there is a green rectangular button with the text "click" in white.

4. Create a simple form to insert width and height to display the area in the mentioned text field. Create a function using JS to display area in area Text field. Use the below mentioned example UI.



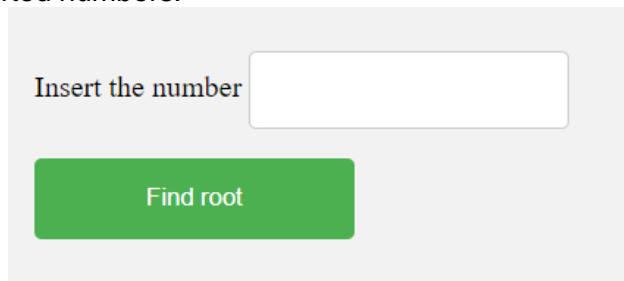
A form with a light gray background. It contains two input fields: 'Width:' with the value '5' and 'Height:' with the value '5'. Below these is a green button labeled 'Find Area'. To the right of the button, the text 'Area of the rectangle is 25cm²' is displayed.

5. Consider the below shown simple form with a button. Write down the JS code to change the button's colour to blue once it is clicked.



A form titled 'Purchase your item' with a light gray background. It features a 'Free trial' link in blue text. Below this, there is a list of services: 'help you to design', 'provide security', and 'manage your plans'. At the bottom is a teal button labeled 'Try it now'.

6. Create a simple form as shown below to insert a number. Write down a JS function to alert square root for inserted numbers.



A form with a light gray background. It contains a text label 'Insert the number' next to an empty input field. Below the input field is a green button labeled 'Find root'.

7. Create a checkbox such as mentioned below. Once an item is checked other items should be disabled. Write down the JS codes to complete the purpose.

Available Hotel Packages
☒ Wedding Package
☐ Birthday Package
☐ Normal Function Package
☐ Day out Package

8. Create a form to insert the amount as shown below. Create a JS function to display 20% value and the value added amount once the mouse is out (onmouseout) as shown below.

insert the amount:

20% of value: 20
Total: 100+20 =120

9. Create a form as mentioned below to insert subject and number. Once the button is clicked, pass or fail should be displayed. Provide the JS code to fulfill the requirement.

Subject:
Marks :

Sorry,. You have to work hard for **Maths** subject...

10. Create a simple calculator as shown below. Provide JS codes to make the calculator operate.

0

+	-	×	÷
7	8	9	=
4	5	6	
1	2	3	
0	.	AC	