

Mandatory Exercise – 2

1. Write a function called “display” to show the value entered by the user in the text field given below:

```
<input type = “text” id = “age” value = “Your Age”>
```

The function should output the value in <h1> tag with id = “output”.

2. Multiply the age with the value x, if the age of the user is less than 25, otherwise, divide the age by y, in the above task. where x = 3, and y = 2. Update the function “display” from 1 to display the result.

3. What will be the output in this case.

```
var i = 10;
for (var i = 0; i < 3; i++) {
    if(i==2){let i=5;}
}
alert(i);
```

4. Write and invoke a function “validateForm()” to verify the input fields when a submit button is pressed, for the given Form:

```
<form name = “myForm”>

    <input type = “text” id = “fName” name =
    “FirstName”>
    <input type = “text” id = “LName” name = “LastName”>
    <input type = “text” id = “age” value = “Enter age”>
    <input type = “text” id = “num” name = “mobile”>

    <input type = “submit”>

</form>
```

In the validateForm() function, verify that:

- The fields are not empty, i.e., user has filled all the fields when the submit button is pressed.
- The age entered by user should not be less than 13 and greater than 85.
- The mobile number entered by the user should be 7 digits.
- Alert an error message if either of the value entered by the user do not meet the criteria.

5. In the calc.html file, add a new button “power”, use the Math.pow(x, y) method to find x to the power of y. Display the value in the result text field. Where x = Number 1 and y = Number 2. Validate both Number 1 and Number 2 to make sure that the fields are not empty, and a valid numeric value is entered whenever user performs any calculation.