

## Lab – 05: Practicing JavaScript

### Objective:

- Learning the concepts of JavaScript
- Practice adding external JavaScript in HTML
- Practice JavaScript functions, loops, constructs, arrays, and objects.

### Submission:

- Submission of your work must be made to your GitHub repository.
- All your code must be in a zip file with name your name and roll number as follows, **“Name-Roll-No.zip”**
- Submit a notepad file with the link of your repository.
- **Emailed submissions will not be accepted.**
- **Any plagiarized code will NOT be marked.**

### Tasks:

Create an HTML file “index.html” and a JS file named, “script.js”. Write JavaScript functions to perform the following tasks given below. Please write COMMENTS in your work else it will not be checked. Moreover, you are allowed to add ONLY external JavaScript file.

1. Using the HTML input field, take user input and check whether input is a palindrome.
2. With a hard coded array, implement a Bubble sort.
3. Take an input from user using prompt and print the table of that number.
4. Write a JavaScript code that takes an array of numbers and returns those elements which have a difference of 2.
5. Calculate the area of the following shape.

