Lab

- 1. Try arrow function with given Arr = [20,7,8,10,89,100,45,17]
 - a. With Array.filter() function, to return the odd numbers from an array.
 - b. With array.forech() to print the even values.
 - c. With array.sort() to print sorted arr asc and des.
- 2. (self Search) Try for...in, for...of and .foreach() with an array.
 - a. What're the differences between for...in, for...of and .foreach().
- 3. Create function to do operations like (+,-,*,/) on its params
 - A- Using eval
 - B- Using rest operator
- 4. Create an arrow function that returns an object representing a rectangle with properties for its width and height, and a method to calculate its area.
- 5. Create a predefined list of objects representing students, each with a name and grade. Then, use an arrow function to find and log the names of students who passed (grade >= 50).

- 6. Use object destructuring to extract properties from an object into individual variables.
- 7. Create a simple factory function that generates objects representing cars.

Instructions:

- 1. Define a factory function createCar that takes make, model, and year as parameters.
- 2. Return an object with those properties and a method to display the car's details.
- 3. Create multiple car objects using this factory function and log their details.

8. Create a factory function to represent different geometric shapes.

Instructions:

- 1. Define a factory function createShape that takes type and dimensions (width, height, or radius).
- 2. Include a method to calculate the area based on the shape type.
- 3. Create instances for different shapes and log their properties and areas.