Check code on my Github link - https://github.com/Narotam-Mishra/advanced-js-p2-assignments-pw
Below all screenshots of the code output

```
Js Problem 1.js X
 Js Problem1.js > ...
        Create an object constructor Person that takes name and age as parameter a
        greet the person
    6
    8
        // Define the Person constructor
        function Person(name, age) {
   10
          this.name = name;
          this.age = age;
  11
  12
  13
  14
        // Add the sayHello method to the Person prototype
        Person.prototype.sayHello = function () {
  15
          console.log(`Hello, my name is ${this.name} and I am ${this.age} years
   16
  17
        };
  18
  19
        // Create a new instance of Person
        let person1 = new Person("John", 30);
   20
   21
   22
        // Call the sayHello method
   23
        person1.sayHello();
   24
 PROBLEMS
          OUTPUT
                 DEBUG CONSOLE
                                      PORTS
                                             SQL CONSOLE
                                                       POSTMAN CONSOLE
                                                                      COMMENTS
                              TERMINAL
PS C:\Users\Narotam\Desktop\Web-Dev Learning\PW Skills Assignments\Advanced JS p2 Assignments> node
 ssignments\Problem1.js"
 Hello, my name is John and I am 30 years old.
O PS C:\Users\Narotam\Desktop\Web-Dev Learning\PW Skills Assignments\Advanced JS p2 Assignments>
```

```
Js Problem3.js X
   Js Propiem3.js > 1€1 Calculator > 分 multiply
                         Create an object Calculator with methods add, subtract, multiply, and divide. D
            4
                         within these methods such that method chaining of add, subtract, multiply and d
            8
                         // Define the Calculator object with methods
                         let Calculator = {
         10
         11
                                result: 0,
         12
         13
                                // Method to add a number to the result
         14
                                add: function (num) {
         15
                                       this.result += num;
         16
                                       // Return 'this' to enable method chaining
         17
                                       return this;
         18
                                },
         19
         20
                                // Method to subtract a number from the result
         21
                                subtract: function (num) {
         22
                                       this.result -= num;
         23
                                       return this;
         24
                                },
         25
    PROBLEMS
                                OUTPUT
                                                                                                                        PORTS
                                                                                                                                            SOL CONSOLE
                                                                                                                                                                                                                           COMMENTS
                                                      DEBUG CONSOLE
                                                                                             TERMINAL
                                                                                                                                                                              POSTMAN CONSOLE
• PS C:\Users\Narotam\Desktop\Web-Dev Learning\PW Skills Assignments\Advanced JS p2 Assignments> node "c:\Users\Narotam\Desktop\Web-Dev Learning\PW Skills Assignments\Desktop\Web-Dev Learning\PW Skills Assignments\Desktop\Web-Dev Learning\PW Skills Assignments\Desktop\Web-Dev Learning\PW Skills Assignments\Desktop\Web-Dev Learning\PW Skills Assignments\Desktop\Desktop\Desktop\Desktop\Desktop\Web-Dev Learning\PW Skills Assignments\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Desktop\Deskto
    ssignments\Problem3.js"
    Final Result: 11
O PS C:\Users\Narotam\Desktop\Web-Dev Learning\PW Skills Assignments\Advanced JS p2 Assignments>
```

```
Js Problem4.js X
 JS Problem4.js > ...
        Define a base class Shape with a method draw. Create two subclasses Circle an
         the draw method. Demonstrate polymorphism using instances of these classes.
     6
     8
     9
         // Define the Shape base class as template
         class Shape {
    10
    11
           constructor() {
             this.type = "Shape";
    12
    13
    14
    15
           // Method to draw the shape (base implementation)
    16
           draw() {
    17
             console.log(`Drawing a ${this.type}`);
    18
    19
    20
    21
         // Define the Circle subclass extending Shape
    22
         class Circle extends Shape {
    23
           constructor(radius) {
             super();
    24
    25
             this.type = "Circle";
                                                       POSTMAN CONSOLE
  PROBLEMS
           OUTPUT
                  DEBUG CONSOLE
                              TERMINAL
                                      PORTS
                                             SOL CONSOLE
                                                                     COMMENTS
 PS C:\Users\Narotam\Desktop\Web-Dev Learning\PW Skills Assignments\Advanced JS p2 Assignments> node "c:
  ssignments\Problem4.js"
  Drawing a Circle with radius 5
  Drawing a Rectangle with width 10 and height 8
  Drawing a Circle with radius 3
  Drawing a Rectangle with width 7 and height 4
  PS C:\Users\Narotam\Desktop\Web-Dev Learning\PW Skills Assignments\Advanced JS p2 Assignments>
```

```
Js Problem5.js X
Js Problem5.js > ...
       Create a simple polyfill for the Array.includes method by the name of custo
   4
   5
   6
   8
   9
       // Define customIncludes method on Array prototype
  10
  11
       Array.prototype.customIncludes = function (element) {
  12
          // Loop through each element in the array
         for (let i = 0; i < this.length; i++) {
  13
  14
            // Check if the current element is equal to the element being searched
            if (this[i] === element) {
  15
              return true; // Element found, return true
  16
  17
  18
         return false; // Element not found, return false
  19
  20
       };
  21
  22
       let arr = [5,4,7,6,3,1,2];
  23
       console.log(arr.customIncludes(7));
  24
       console.log(arr.customIncludes(9));
  25
PROBLEMS
         OUTPUT
                 DEBUG CONSOLE
                             TERMINAL
                                      PORTS
                                            SQL CONSOLE
                                                                     COMMENTS
                                                       POSTMAN CONSOLE
PS C:\Users\Narotam\Desktop\Web-Dev Learning\PW Skills Assignments\Advanced JS p2 Assignments> node
 ssignments\Problem5.js"
 true
 false
 PS C:\Users\Narotam\Desktop\Web-Dev Learning\PW Skills Assignments\Advanced JS p2 Assignments>
```