Answer 01:

```javascript
function createAdder(num) {
  return function(value) {
    return value + num;
  }
}

var addNum = createAdder(5);
document.write(addNum(12) + "<br>");
document.write(addNum(28) + "<br>");
```

Answer 02:

```javascript
function searchArray(array, value) {
  // base case: if the array is empty, return false
  if (array.length === 0) {
    return false;
  }

  // check if the first element of the array matches the value
  if (array[0] === value) {
    return true;
  }

  // recursive case: call the searchArray function with the rest of the array
  return searchArray(array.slice(1), value);
}

var myArray = [1, 2, 3, 4, 5, 42, 6, 7, 8, 9];
if (searchArray(myArray, 17)) {
  document.write("Found it!");
} else {
  document.write("Not found.");
}
```

Answer 03:

Index.html

```html
<!DOCTYPE html>
<html>
<head>
   <script src='main.js'></script>
</head>
<body>
   <p>I am Zeerak</p>
</body>
</html>
```

Main.js

```javascript
function addParagraph(text) {
  // Create a new <p> element
  const paragraph = document.createElement('p');
  paragraph.textContent = text;
  const body = document.querySelector('body');
  // Append the <p> element to the <body> element
  body.appendChild(paragraph);
}

addParagraph('This is a new paragraph.');
```

Answer 04:

Index.html

```html
<!DOCTYPE html>
<html>
<head>
   <script src='main.js'></script>
</head>
<body>
   <h2>I am Zeerak</h2>
    <ul></ul>
</body>
</html>
```

Main.js

```javascript
function addListItem(text) {
  // Get a reference to the unordered list
  const list = document.querySelector('ul');

  // Create a new list item element
  const newItem = document.createElement('li');

  // Set the text content of the new item
  newItem.textContent = text;

  // Add the new item to the end of the list
  list.appendChild(newItem);
}
addListItem('New list item Added');
addListItem('New list item Added Twice');
```

Answer 05:

Index.html

```html
<!DOCTYPE html>
<html>
<head>
    <script src='main.js'></script>
</head>
<body>
    <h2 id="my-heading">I am Zeerak</h2>
</body>
</html>
```

Main.js

```javascript
function changeBackgroundColor(element, color) {
  // Set the background color of the element
  element.style.backgroundColor = color;
}
function changeColor(element, color) {
  // Set the color & padding of the element
  element.style.color = color;
  element.style.padding = "10px";
}
```

```
const myElement = document.querySelector('#my-heading');
changeBackgroundColor(myElement, 'blue');
changeColor(myElement, 'white');
```

Answer 06:

```
function saveToLocalStorage(key, object) {
   localStorage.setItem(key, JSON.stringify(object));
 }
 const myObject = {name: Zeerak, age: 24};
 saveToLocalStorage('myObject', myObject);
 const storedObject = JSON.parse(localStorage.getItem('myObject'));
 console.log(storedObject);
```

Answer 07:

Index.html

```
<!DOCTYPE html>
<html>
<head>
   <script src='main.js'></script>
</head>
<body>
    <button onclick="displayObject()">Retrieve and Display Object</button>
   <p id="result"></p>
</body>
</html>
```

Main.js

```
   function getObjectFromLocalStorage(key) {
    var value = localStorage.getItem(key);
    return JSON.parse(value);
   }

   function displayObject() {
    var retrievedObject = getObjectFromLocalStorage("myKey");
    document.getElementById("result").innerHTML = JSON.stringify(retrievedObject);
   }
```

Answer 08:

Index.html

```html
<!DOCTYPE html>
<html>
 <head>
   <script src='main.js'></script>
   </head>
 <body>
   <button onclick="displayObject()">Save and Display Object</button>
   <p id="result"></p>
 </body>
</html>
```

Main.js
```javascript
function saveObjectToLocalStorage(object) {
 for (var key in object) {
   var value = object[key];
   localStorage.setItem(key, JSON.stringify(value));
 }
 var newObject = {};
 for (var i = 0; i < localStorage.length; i++) {
   var key = localStorage.key(i);
   var value = localStorage.getItem(key);
   newObject[key] = JSON.parse(value);
 }
 return newObject;
}

function displayObject() {
 var myObject = { name: "John", age: 30 };
 var newObject = saveObjectToLocalStorage(myObject);
 document.getElementById("result").innerHTML = JSON.stringify(newObject);
}
```