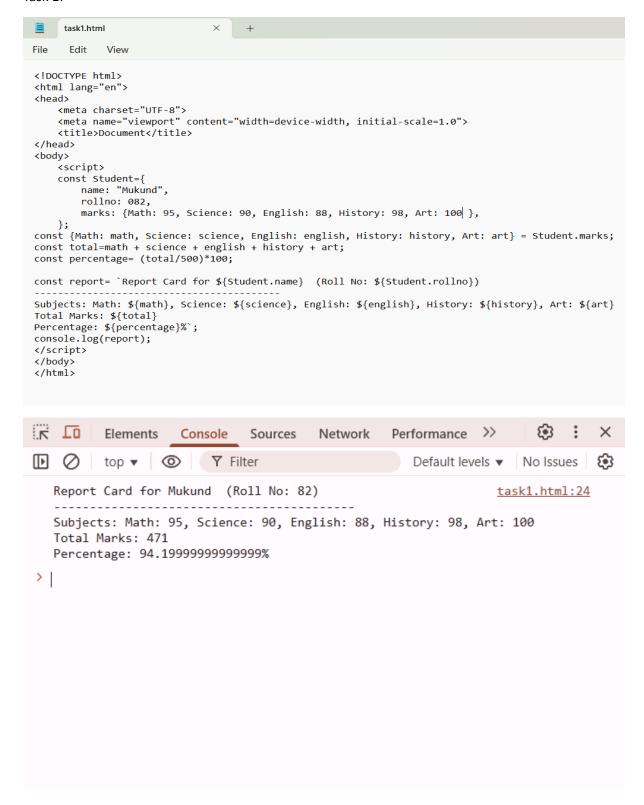
Name: Mukund Kuthe
3<sup>rd</sup> Year Section B (B1)

Practical 2 (JavaScript)

## Task 1:



## Task 2:

```
task2.html
                                    +
File
      Edit
            View
<script>
const generateGreeting = (name = "Mukund", role = "Student", location = "Nagpur") => {
  return `Hello ${name}! Your role is ${role} and you are currently in ${location}.`;
};
console.log(generateGreeting());
</script>
1.5
                                                                            €}
   Lo
                                           Network >>
                      Console
                                 Sources
           Elements
                                                                                     (2)
    0
№
          top ▼ O Y Filter
                                                       Default levels ▼
                                                                      1 Issue: 📮 1
   Hello Mukund! Your role is Student and you are currently in
                                                                       task2.html:5
   Nagpur.
```

## Task 3:

```
| Elements | Console | Sources | Network | Performance | Memory | Application | Memory | Application | Memory |
```

```
console.log(`Type: ${type}`);
    console.log(`Mutability: ${mutable}`);
    console.log(`Summary: The given input is of type '${type}' and it is ${mutable}.`);
  analyzeData([1, 2, 3]);
  analyzeData("Hello");
  analyzeData(null);
  analyzeData({ key: "value" });
 Type: array
                                                                                                  VM70:40
 Mutability: mutable
                                                                                                  VM70:41
  Summary: The given input is of type 'array' and it is mutable.
                                                                                                  VM70:42
  Type: string
                                                                                                  VM70:40
 Mutability: immutable
                                                                                                  VM70:41
 Summary: The given input is of type 'string' and it is immutable.
                                                                                                  VM70:42
                                                                                                  VM70:40
 Mutability: immutable
                                                                                                  VM70:41
 Summary: The given input is of type 'null' and it is immutable.
                                                                                                  VM70:42
 Type: object
                                                                                                  VM70:40
 Mutability: mutable
                                                                                                  VM70:41
 Summary: The given input is of type 'object' and it is mutable.
                                                                                                  VM70:42

← undefined
```

## Task 4:

```
(A)
K [0
                                      Network >>
                                                                            ×
         Elements
                   Console
                             Sources
Default levels ▼ 1 Issue: ■1 🛞
> const colors1 = ["red", "green"];
  const colors2 = ["blue", "yellow"];
  const palette = [...colors1, ...colors2];
  const [first, ...restColors] = palette;
  const last = restColors.pop();
  const others = restColors;
  console.log(`Main colors: ${capitalize(first)} and ${capitalize(last)}.
  Others in the palette: ${others.map(capitalize).join(", ")}.`);
  function capitalize(word) {
    return word.charAt(0).toUpperCase() + word.slice(1);
  Main colors: Red and Yellow. Others in the palette: Green, Blue.
                                                                   VM64:10

√ undefined
```