

Ans To The Question No -04

For me simply adding min-width: 0; to the overflowing div prevented the overflow:

```
article { min-width: 0; }
```

Explanation:

min-width in a flex context: While the default min-width value is 0 (zero), for flex items it is auto. This can make block elements take up much more space than desired, resulting in overflow.

min-width is defined to win against competing width and max-width, meaning as soon as the element's width would shrink below its implicit auto width, min-width: auto will kick in and keep the element from shrinking.

The fix is obvious now: min-width: 0

It tells the browser that this element has no right to take up any minimum width, and now it will be rendered properly, taking up only as much width as is available.

A note about flex-shrink: While flex-shrink sounds like it could help here, it does not. The described issue is about element-sizing based on the element's content, while flex-shrink defines shrinkage relative to other flex elements in the same context.

Ans To The Question No -06(a)

The modified code:

```
<!DOCTYPE html>
<html>
<head>
  <meta charset="UTF-8">
  <title>JS DOM paragraph style</title>
  <style type="text/css">
    #text {
      color: red;
      text-align: center;
    }
  </style>
</head>
<body>
  <p id="text">JavaScript Exercises</p>
```

```

<button id="jstext" onclick=js_text()>Click me</button>
<script>
function js_text() {
    var text = document.getElementById("text");
    text.style.color = "blue";
    text.style.textAlign = "left";
}
</script>
</body>
</html>

```

Ans To The Question No -06(b)

```

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8" />
    <meta http-equiv="X-UA-Compatible" content="IE=edge" />
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />
    <title>contact-me</title>
    <link
        href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css"
        rel="stylesheet"
        integrity="sha384-EVSTQN3/azprG1Anm3QDgpJLIm9Nao0Yz1ztcQTwFspd3yD
        65VohhpuuCOMLASjC"
        crossorigin="anonymous"
    />
</head>
<body>
    <section class="contact-me m-4" id="contact-section">
        <h2 class="text-center">Contact with me</h2>
        <div class="container">
            <div class="row">
                <div class="col-md-6">

```

```
<form class="row g-3">
  <div class="col-12">
    <label for="Name" class="form-label">Name</label>
    <input
      type="text"
      id="Nameinput"
      class="form-control"
      placeholder="Name"
      aria-label="First name"
      onchange="handleNameCharlen()"
    />
  </div>

  <div class="col-12">
    <label for="inputEmail4" class="form-label">Email</label>
    <input
      type="email"
      class="form-control"
      id="inputEmail4"
      onchange="handleEmailCharlen()"
    />
  </div>

  <div class="col-12">
    <label for="inputDate" class="form-label">Date</label>
    <input
      type="date"
      class="form-control"
      id="inputDate"
      name="date"
    />
  </div>

  <div class="mb-3">
    <label for="exampleInputNumber1" class="form-label">
```

```
>Mobile number</label>
>
<input
  type="number"
  class="form-control"
  id="exampleInputNumber1"
  placeholder="+880"
  aria-describedby="numberHelp"
/>
<div id="numberHelp" class="form-text">
  We'll never share your information with anyone else.
</div>
</div>
<div class="mb-3">
  <label for="exampleInputNumber1" class="form-label">
    >Enter a guess:</label>
  >
  <input
    type="text"
    class="form-control guessField"
    id="guessField"
    placeholder=""
    aria-describedby="numberHelp"
  />

  <input
    type="submit"
    value="Submit guess"
    class="guessSubmit"
    id="submitguess"
  />
</div>
<div class="col-12">
  <button
    type="submit"
```

```
        class="btn btn-primary"
        onclick="handleSubmit()"
    >
        Submit
    </button>
</div>
</form>
</div>
<div class="col-md-6">
    
</div>
</div>
</div>
</section>
<script
```

```
src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.bundle.min.js"
```

```
integrity="sha384-MrcW6ZMFYlzcLA8Nl+NtUVF0sA7MsXsP1UyJoMp4YLEu
NSfAP+JcXn/tWtIaxVXM"
```

```
    crossorigin="anonymous"
  ></script>
  <script src=""></script>
</body>
</html>
```

Js part

```
const handleNameCharlen = () => {  
  let name = document.getElementById("Nameinput").value;  
  if (name.length >= 20) {  
    alert("Your Name must be within 20 characters");  
  }  
};
```

```
var y = Math.floor(Math.random() * 10 + 1);
```

```
// counting the number of guesses
```

```
// made for correct Guess
```

```
var guess = 1;
```

```
document.getElementById("submitguess").onclick = function () {
```

```
  // number guessed by user
```

```
  var x = document.getElementById("guessField").value;
```

```
  if (x == y) {
```

```
    alert("CONGRATULATIONS!!! YOU GUESSED IT RIGHT IN " + guess + "  
GUESS ");
```

```
  } else if (x > y) {
```

```
    /* if guessed number is greater
```

```
       than actual number*/
```

```
    guess++;
```

```
    alert("OOPS SORRY!! TRY A SMALLER NUMBER");
```

```
  } else {
```

```
    guess++;
```

```
    alert("OOPS SORRY!! TRY A GREATER NUMBER");
```

```
  }
```

```
};
```