

1. create a html form with a submit button namely 'change' and a paragraph about the college. write javascript code modify the style of the paragraph text as specified below.
 - * clicking on the button named change the text, font size, and colour of the paragraph text to be changed.
 - * To highlight the bold words of the paragraph on mouse over a certain word.

Sol:-

```
<!DOCTYPE html>
<html lang="eng">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device
  width, initial-scale=1.0">
  <title> change paragraph style </title>
  <styles>
    .highlight {
```

```
  color: red;
}
</style>
</head>
<body>
  <form id="change form">
    <input type="submit" value="change"
      id="change button">
  </form>
  <p id="college intro"> welcome to our college.
  we offer a wide range of programs </p>
  <script>
    document.getElementById("change form").
    addEventListener("submit", function(event) {
      event.preventDefault();
      changeParagraphStyle();
    });
```

```
function changeParagraphStyle() {
  var paragraph = document.getElementById(
    "college intro");
  paragraph.style.fontFamily = "Arial";
```

```
  paragraph.style.fontSize = "20px";
  paragraph.style.color = "blue";
}
document.getElementById("college intro")
  if (event.target.tagName === "p")
  {
    event.target.classList.add("highlight")
  }
}
</script>
</body>
</html>
```

2. create document for an `` element and append it to the document using JavaScript with the following specifications: when someone clicks on the button then `` element created.

Sol:-

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title> Append Image </title>
</head>
<body>
<button id="createImageButton">create Image
</button>
<script>
document.getElementById("createImageButton").
addEventListener("click", function() {
```

```
function createImage()
{
```

```
var img = document.createElement("img");
```

```
img.src = "https://via.placeholder.com/150";
```

```
document.body.appendChild(img);
```

```
}
```

```
</body>
```

```
</html>
```

In this code, when the button with the id "createImageButton" is clicked, the `createImage()` function is called. This function dynamically creates an `` element, sets its source (`src`) to a placeholder image URL, sets its attribute to the text (`alt`) for accessibility purposes, and then appends the image to the document body.



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