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STUDENT REGISTRATION NUMBER	251U1R1010	CLASS: CSE-1A
STUDY LEVEL	UG	YEAR and TERM: 1 st year & 1 st term
SUBJECT NAME	WEB DEVELOPMENT	
NAME OF THE ASSESSMENT	Assignment I	
DATE OF SUBMISSION	6/11/2025	

TOPIC :- Create a dropdown menu inside a navbar and test it on mobile screens.

INPUT :--

```

1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4      <meta charset="UTF-8">
5      <meta name="viewport" content="width=device-width, initial-scale=1.0">
6      <title>Bootstrap Navbar Dropdown</title>
7      <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.2/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-T3c6CoIi6uLrA9TneEoa7RxnatzjcDSCmG1MK"
8  </head>
9  <body>
10
11  <nav class="navbar navbar-expand-lg navbar-dark bg-dark">
12      <div class="container-fluid">
13          <a class="navbar-brand" href="#">MyBrand</a>
14
15          <button class="navbar-toggler" type="button" data-bs-toggle="collapse" data-bs-target="#navbarNavDarkDropdown" aria-controls="navbarNavDarkDropdown" aria-
16              <span class="navbar-toggler-icon"></span>
17          </button>
18
19          <div class="collapse navbar-collapse" id="navbarNavDarkDropdown">
20              <ul class="navbar-nav me-auto mb-2 mb-lg-0">
21
22                  <li class="nav-item">
23                      <a class="nav-link active" aria-current="page" href="#">Home</a>
24                  </li>
25
26                  <li class="nav-item dropdown">
27                      <a class="nav-link dropdown-toggle" href="#" id="navbarDarkDropdownMenuLink" role="button" data-bs-toggle="dropdown" aria-expanded="false">
28                          Products
29                      </a>
30                      <ul class="dropdown-menu dropdown-menu-dark" aria-labelledby="navbarDarkDropdownMenuLink">
31                          <li><a class="dropdown-item" href="#">Category 1</a></li>
32                          <li><a class="dropdown-item" href="#">Category 2</a></li>

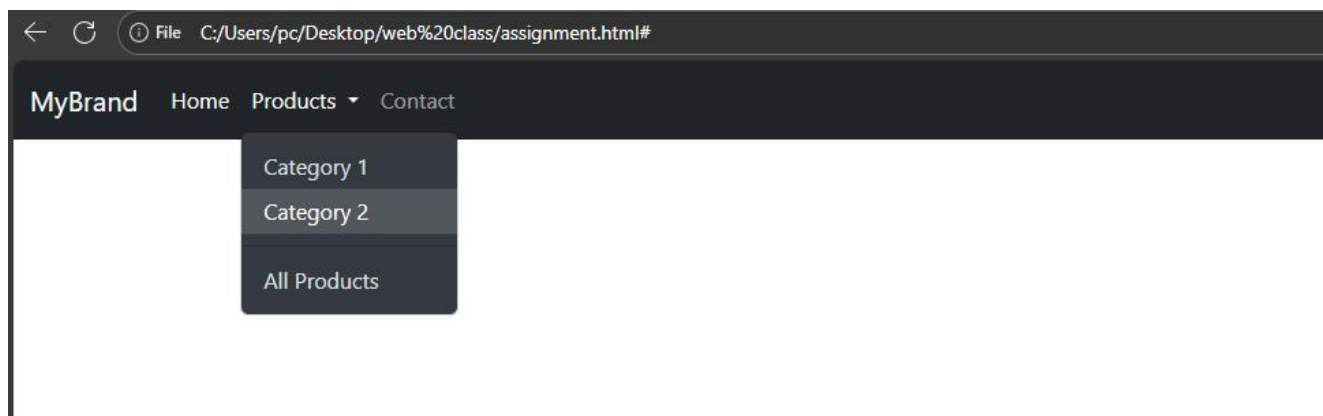
```

```

30 <ul class="dropdown-menu dropdown-menu-dark" aria-labelledby="navbarDarkDropdownMenuLink">
31   <li><a class="dropdown-item" href="#">Category 1</a></li>
32   <li><a class="dropdown-item" href="#">Category 2</a></li>
33   <li><hr class="dropdown-divider"></li>
34   <li><a class="dropdown-item" href="#">All Products</a></li>
35 </ul>
36 </li>
37
38 <li class="nav-item">
39   <a class="nav-link" href="#">Contact</a>
40 </li>
41 </ul>
42 </div>
43 </div>
44 </nav>
45 <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.2/dist/js/bootstrap.bundle.min.js" integrity="sha384-C6RzsynM9kDrMwT87bh95OGNyZPhcTNXj1NW7RuBCsyN/o0jlpc"
46 </script>
47 </body>
48 </html>

```

OUTPUT :--



Explanation Lines

- The dropdown menu is created inside the Bootstrap navbar using `.dropdown` and `.dropdown-menu` classes.
- The `navbar-toggler` button ensures that the menu collapses on smaller screens.
- Bootstrap automatically makes the navbar responsive without extra CSS.

How to Test on Mobile Screens

1. Open the file in a browser.
2. Resize the window or press **F12** → **Toggle Device Toolbar** to simulate a mobile view.
3. Click the **hamburger icon** (**≡**) to open the dropdown menu.
4. Click **Services** to see the dropdown links appear.

Conclusion:

In conclusion, creating a dropdown menu inside a navbar using Bootstrap makes website navigation simple, organized, and responsive. It allows users to access multiple links easily under one menu, saving space on the page. When tested on mobile screens, the navbar automatically collapses into a toggle button, ensuring smooth and user-friendly interaction. This enhances both the design and functionality of the website across all devices.