Creating a Portfolio using raw HTML and CSS

HTML Codes:

```html
<!DOCTYPE html>
<html lang="en">

<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <link rel="stylesheet" href="styles.css">
    <title>Portfolio</title>
</head>

<body>
    <header>
        <nav>
            <ul class="nav-links">
                <li><a href="#Home">Home</a></li>
                <li><a href="#about-me">About Me</a></li>
                <li><a href="#projects">Projects</a></li>
                <li><a href="#contact-container">Contact</a></li>
            </ul>
        </nav>
    </header>
    <div id="Home" class="home">
        <h1><b>Samiul Hossen Sarkar Santo</b></h1>
        <p style="text-align: right; font-size: 22px;">Software Developer
& Designer</p>
    </div>

    <h2>A little bit about Me</h2>
    <div class="about-me" id="about-me">
        <div class="about-para">
            <p>
                Assalamualaikum, <br>Hope you're doing well. First of all,
I'd like to thank you for taking your time to visit my portfolio.
                And
```

hopefully, I have something in common to what you're looking for. Keep reading to know more about me.

Have a nice day😊`<br>`

Well, my journey in programming started with learning C in my first semester. But now I'm well

acquainted

with `<b>`C, Java, Dart, and a bit of C++`</b>`, and I've especially enjoyed working with Java. I'm currently

looking

into the world of software development, as I believe it's my niche. I've also taken a keen interest in

`<b>`cross-platform app development`</b>`, exploring tools like `<b>`Flutter`</b>`. And my journey in designing started when I

joined IEEE BUP SB WIE Affinity Group. I started it out of sheer curiosity and soon found a deep

interest in

the field. While I acknowledge the fact that I'm not a pro in designing, I most surely enjoy it to the

fullest. I started designing using Canva and eventually learned Adobe Illustrator for more advanced

designs

and demands. I love the creative freedom that designing allows me, and I find it incredibly satisfying

to

see my ideas come to life on the screen. I hope to continue honing my skills in both software

development

and design, as I believe the combination of the two will make me a well-rounded and versatile

professional

in the tech industry. My ultimate goal is to work on innovative projects that push the boundaries of

technology and creativity.`<br>`
                    `</p>`
                `</div>`
                `<div class="my-photo">`
                    `<img src="samiul.jpg" alt="Samiul Hossen Sarkar Santo" width="200">`
                `</div>`
            `</div>`

```html
    <h2>Here are some of my projects...</h2>
    <div class="projects" id="projects">
        <div class="project-item">
            <h3><a
href="https://github.com/Samiul-Hossen-Sarkar-Santo/CraftyCat"
target="_blank"
                    rel="noopener noreferrer">Crafty Cat</a></h3>
            <p>
                Crafty Cat is a robust e-commerce web application designed
to provide a seamless online shopping
                experience. Built using a combination of,<strong> JSP,
Servlets, MySQL, and various front-end
                technologies like, HTML, CSS & JavaScript</strong>.
Crafty Cat offers an interactive and
                user-friendly platform for both buyers and sellers.

                <br><br>See the project on <a
href="https://github.com/Samiul-Hossen-Sarkar-Santo/CraftyCat"
target="_blank"
                    rel="noopener noreferrer">GitHub</a>
            </p>
        </div>
        <div class="project-item">
            <h3><a
href="https://github.com/Samiul-Hossen-Sarkar-Santo/Vocab-Victory"
target="_blank"
                    rel="noopener noreferrer">Vocab-Victory</a></h3>
            <p>
                Vocab Victory is a console-based word guessing game
designed to test and improve your vocabulary skills.
                It was build entirely using <strong>Java</strong>. And
I've also implemented the Object-Oriented
                Programming concept in this project. The game challenges
players to guess an English word letter by
                letter based on a given hint.

                <br><br>See the project on <a
href="https://github.com/Samiul-Hossen-Sarkar-Santo/Vocab-Victory"
target="_blank"
```

```html
                        rel="noopener noreferrer">GitHub</a>
            </p>
        </div>
        <div class="project-item">
            <h3><a
href="https://github.com/Samiul-Hossen-Sarkar-Santo/Chopsticks"
target="_blank"
                    rel="noopener noreferrer">Chopsticks</a></h3>
            <p>
                ChopSticks is a traditional hand game usually played
between two players. This was also built using
                <strong>Java</strong> entirely. The Object-Oriented
Programming concept was implemented in this project
                as well. The goal is to outmaneuver your opponent using
strategic hand movements.

                <br><br>See the project on <a
href="https://github.com/Samiul-Hossen-Sarkar-Santo/ChopSticks"
target="_blank"
                    rel="noopener noreferrer">GitHub</a>
            </p>
        </div>
    </div>

    <h2>Contact Me</h2>

    <div class="contact-container" id="contact-container">
        <div class="contact-info">
            <p><strong>Email: </strong><a
href="mailto:samiulhossensanto@gmail.com">samiulhossensanto@gmail.com</a><
/p>
            <p><strong>Phone: </strong><a
href="tel:+8801872090379">+8801872090379</a></p>
            <p><strong>Address: </strong>Dhaka, Bangladesh</p>
        </div>

        <div class="contact-form">
            <form>
                <input type="text" name="name" placeholder="Enter your
name">
```

```html
                <input type="email" name="email" placeholder="Enter your
email">
                <textarea name="message" placeholder="Enter the
message"></textarea>
                <button type="submit">Send</button>
            </form>
        </div>
    </div>
    <div class="footer">
        <footer>
            <p>&copy;2025 Samiul Hossen Sarkar Santo. All rights
reserved.</p>
        </footer>
    </div>
</body>

</html>
```

CSS Code:

```css
body {
    font-size: 18px;
    background-color: aliceblue;
}
h1 {
    text-align: right;
    color: black;
}
h2 {
    text-align: center;
    color: black;
}
ul {
    list-style-type: none;
    margin: 0;
    padding: 0;
    overflow: hidden;
    background-color: aliceblue;
    position: fixed;
    border-radius: 10px;
    box-shadow: 0 0 8px 0 rgba(0,
0, 0, 0.5);
}
li {
    float: left;
}
li a {
    display: block;
    color: rgb(0, 0, 0);
    text-align: center;
    padding: 14px 16px;
    text-decoration: none;
}
li a:hover {
    background-color: rgb(62, 95,
105);
```

```css
        color: whitesmoke;
}
.home {
    padding: 1%;
    background-color: rgb(209,
241, 241);
    border-radius: 10px;
}
.about-me {
    display: flex;
    flex-direction: row-reverse;
    justify-content: flex-start;
    flex-wrap: nowrap;
    align-items: center;
    background-color: rgb(209,
241, 241);
    padding: 1%;
    border-radius: 10px;
}
.about-me p {
    background-color: aliceblue;
    border-color: black;
    border-radius: 10px;
    padding: 1%;
    text-align: justify;
    padding: 4%;
    margin-left: 2%;
}
.about-me img {
    width: 100%;
    border-radius: 10px;
    margin-right: .5%;
    box-shadow: 0 0 8px 0 rgba(0,
0, 0, 0.5);
}
.projects {
    display: flex;
    flex-direction: row;
    justify-content:
space-between;
```

```css
    flex-wrap: nowrap;
    align-items: stretch;
    background-color: rgb(209,
241, 241);
    padding: 1%;
    border-radius: 10px;
}
.project-item {
    display: flex;
    margin: 10px;
    padding: 20px;
    border: 1px solid #ccc;
    border-radius: 5px;
    background-color: #f9f9f9;
    align-content: space-around;
    flex-wrap: wrap;
    flex-direction: column;
    align-items: center;
    justify-content: flex-start;
    width: 30%;
    box-shadow: 0 0 8px 0 rgba(38,
37, 37, 0.5);
}
.project-item a:hover {
    background-color: grey;
    color: white;
}
.project-item p {
    background-color: #f9f9f9;
    text-align: justify;
    width: 100%;
}
.contact-container {
    display: flex;
    justify-content:
space-between;
    align-items: flex-start;
    max-width: 800px;
    margin: auto;
    padding: 20px;
```

```css
        background-color: rgb(209,
241, 241);
        border-radius: 10px;
}
.contact-form, .contact-info {
        height: 50%;
        box-shadow: 0 0 7px 0 rgba(0,
0, 0, 0.5);
}
.contact-info {
        display: flex;
        flex-direction: column;
        justify-content: flex-start;
        align-items: end;
        padding: 10px;
        border: 1px solid #ccc;
        border-radius: 5px;
        background-color: #f9f9f9;
        width: 45%;
}
.contact-form {
        display: flex;
        flex-direction: column;
        justify-content: flex-start;
        align-items: start;
        padding: 10px;
        border: 1px solid #ccc;
        border-radius: 5px;
        background-color: #f9f9f9;
        width: 45%;
}
.contact-form input, .contact-form
textarea {
        width: 96.5%;
        margin-bottom: 10px;
        padding: 5px;
}
.contact-form button {
        display: block;
        width: 100%;
        padding: 8px;
        background-color: gray;
        color: white;
        border: none;
        border-radius: 5px;
        cursor: pointer;
}
.contact-form button:hover {
        background-color: black;
        color: white;
}
.footer {
        display: flex;
        flex-direction: row;
        justify-content: center;
        flex-wrap: nowrap;
        align-items: center;
        background-color: gray;
        color: white;
        padding: 1%;
        bottom: 0;
        width: 98%;
}
```

Screenshot

Samiul Hossen Sarkar Santo

Software Developer & Designer

A little bit about Me

Assalamualaikum,

Hope you're doing well. First of all, I'd like to thank you for taking your time to visit my portfolio. And hopefully, I have something in common to what you're looking for. Keep reading to know more about me. Have a nice day 😊

Well, my journey in programming started with learning C in my first semester. But now I'm well acquainted with **C, Java, Dart, and a bit of C++**, and I've especially enjoyed working with Java. I'm currently looking into the world of software development, as I believe it's my niche. I've also taken a keen interest in **cross-platform app development**, exploring tools like **Flutter**. And my journey in designing started when I joined IEEE BUP SB WIE Affinity Group. I started it out of sheer curiosity and soon found a deep interest in the field. While I acknowledge the fact that I'm not a pro in designing, I most surely enjoy it to the fullest. I started designing using Canva and eventually learned Adobe Illustrator for more advanced designs and demands. I love the creative freedom that designing allows me, and I find it incredibly satisfying to see my ideas come to life on the screen. I hope to continue honing my skills in both software development and design, as I believe the combination of the two will make me a well-rounded and versatile professional in the tech industry. My ultimate goal is to work on innovative projects that push the boundaries of technology and creativity.

Here are some of my projects...

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Crafty Cat is a robust e-commerce web application designed to provide a seamless online shopping experience. Built using a combination of, **JSP, Servlets, MySQL, and various front-end technologies like, HTML, CSS & JavaScript**. Crafty Cat offers an interactive and user-friendly platform for both buyers and sellers.

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Vocab-Victory

Vocab Victory is a console-based word guessing game designed to test and improve your vocabulary skills. It was build entirely using **Java**. And I've also implemented the Object-Oriented Programming concept in this project. The game challenges players to guess an English word letter by letter based on a given hint.

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Chopsticks

ChopSticks is a traditional hand game usually played between two players. This was also built using **Java** entirely. The Object-Oriented Programming concept was implemented in this project as well. The goal is to outmaneuver your opponent using strategic hand movements.

See the project on GitHub

Contact Me

Email: samiulhossensanto@gmail.com

Phone: +8801872090379

Address: Dhaka, Bangladesh

Enter your name

Enter your email

Enter the message

Send

Discussion:

The webpage follows the required structure using semantic HTML and external CSS. Below is a breakdown of the design attributes implemented:

- **HTML Base Structure**: Used <html>, <head>, and <body> tags properly. The page title is set using <title>My Portfolio</title> inside the <head> tag.
- **Navigation Bar**: Implemented within a <nav> tag. Used an unordered list <ul> with list items <li>, each containing <a> links pointing to internal sections via href="#home", #about, #projects, and #contact.
  - Styled in CSS with:
    - background-color: rgb(209, 241, 241);
    - display: flex; justify-content: center; align-items: center;
    - Link hover effect: color changes from black to rgb(97, 6, 143);
- **About Me Section**: Structured using a <div class="about-me">. It contains an <img> with class "my-pic" and a paragraph <p> inside another div (class="intro").
  - CSS applied:
    - Flexbox: display: flex; flex-direction: row-reverse; align-items: center;
    - Image size controlling: height: 300px; width: 300px; border-radius: 20px;
    - Paragraph spacing and size via: font-size: 20px; padding: 10px;
- **Projects Section**: Contained inside a <div class="projects"> with a heading <h2>. Each project is represented inside a <div class="project-card"> and includes:
  - A title: <h3>, Description: <p>, Project link: <a>
  - Layout handled using flexbox:
    - display: flex; flex-wrap: wrap; justify-content: center; gap: 20px;
    - Cards styled with:
      - background-color: rgb(226, 226, 226);
      - width: 300px; padding: 20px; border-radius: 10px;
      - Shadow effect: box-shadow: 0 4px 8px rgba(0,0,0,0.1);
- **Contact Section**: Implemented inside a <div class="contact-container"> using two side-by-side sections:
  - A <form> with <label> and <input> elements for Name and Email, plus a <textarea> for Message.
  - A <div class="contact-details"> showing personal details: address, email, and phone number using <p> tags.
  - CSS uses flexbox:
    - display: flex; justify-content: space-between; align-items: flex-start;
    - gap: 20px;
    - Form elements styled for spacing and full-width input.
- **Footer**: <footer> contains a copyright.
  - Centered using: text-align: center;

- ○ Font styled with: font-size: 14px; color: gray;
- **Overall Styling** (style.css):
  - ○ Global background color: aliceblue
  - ○ Font family set to: "Segoe UI", Tahoma, Geneva, Verdana, sans-serif
  - ○ Consistent use of padding, margin, and border-radius across sections
  - ○ Buttons and inputs styled with smooth, clean edges and spacing for accessibility

Conclusion:

This lab task helped me apply semantic HTML and external CSS to build a clean, responsive personal portfolio. Using Flexbox for layout, hover effects on the navbar, and a reversed row in the About section added both structure and visual appeal. Overall, it improved my understanding of layout design and frontend styling in a practical way.