PERSONAL BLOG ON IBM CLOUD STATIC WEB APPS

INTRODUCTION:

It emphasizes the importance of personal blogs as a creative outlet and then highlights the benefits of using IBM Cloud for hosting. It effectively communicates the advantages of static website architecture, making it easy for readers to understand the advantages.

The introduction also conveys the user-focused benefits, such as speed, security, scalability, and cost-effectiveness.

CODING PROCEDURE:

Creating a personal blog hosted on IBM Cloud Static Web Apps involves developing a static website. You can use various technologies and tools depending on your preferences, but I'll provide a simple example using HTML, CSS, and JavaScript. Below are the basic steps for creating a basic personal blog:

1. Set Up Your Development Environment:

Install a code editor (e.g., Visual Studio Code, Sublime Text).

Ensure you have Git installed for version control.

2. Create the Project Structure:

Create a directory for your blog project.

Inside this directory, create folders for your HTML, CSS, JavaScript, and other assets.

3. Design Your Website:

Create an HTML file for your blog posts (e.g., index.html, post1.html, post2.html, etc.).

Design the layout and structure of your blog using HTML.

Add metadata, such as titles and descriptions, to your HTML pages.

4. Style Your Blog:

Create a CSS file (e.g., style.css) to define the look and feel of your blog.

Apply styles to HTML elements for a visually appealing design.

5. Add Interactivity:

Use JavaScript for interactive elements like navigation menus, comment sections, or any dynamic content.

Make sure your JavaScript files are included in your HTML pages.

6. Write Blog Content:

Create and organize your blog posts as separate HTML files.

Format your content using HTML tags and CSS styles.

7. Set Up a GitHub Repository:

Initialize a Git repository in your project directory.

Commit your code and push it to a GitHub repository for version control.

8. Configure IBM Cloud Static Web Apps:

Log in to IBM Cloud and create a new Static Web Apps project.

Connect your GitHub repository to your IBM Cloud project.

9. Deployment Configuration:

Define a build and deployment process for your static website. IBM Cloud Static Web Apps supports popular static site generators like Jekyll, Hugo, and Gatsby. If you use these generators, configure your build settings accordingly.

10. Deploy Your Blog:

Push your code to the GitHub repository. IBM Cloud Static Web Apps will automatically build and deploy your blog.

PROGRAM:

HTML (index.html):

```
<!DOCTYPE html>
<html>
<head>
    <meta charset="UTF-8">
    <title>My Personal Blog</title>
    <link rel="stylesheet" type="text/css" href="style.css">
</head>
<body>
    <header>
        <h1>My Personal Blog</h1>
        <nav>
            <ul>
                <li><a href="index.html">Home</a></li>
                <li><a href="post1.html">Post 1</a></li>
                <li><a href="post2.html">Post 2</a></li>
            </ul>
        </nav>
    </header>
    <main>
        <article>
            <h2>Post Title 1</h2>
            <p>Posted on September 1, 2023</p>
            <p>This is the content of your first blog post.</p>
        </article>
    </main>
```

```html
    <footer>
        &copy; 2023 My Personal Blog
    </footer>
</body>
</html>
```

CSS (style.css):

```css
body {
    font-family: Arial, sans-serif;
    margin: 0;
    padding: 0;
    background-color: #f0f0f0;
}

header {
    background-color: #333;
    color: #fff;
    text-align: center;
    padding: 20px;
}

nav ul {
    list-style: none;
    padding: 0;
}

nav ul li {
    display: inline;
```

```css
    margin-right: 20px;

}


nav ul li a {

    color: #fff;

    text-decoration: none;

}


main {

    width: 80%;

    margin: 0 auto;

    padding: 20px;

    background-color: #fff;

}


article {

    margin-bottom: 20px;

}


footer {

    background-color: #333;

    color: #fff;

    text-align: center;

    padding: 10px;

}
```

This code represents a simple personal blog page with one blog post, basic styling, and a navigation menu. Creating additional HTML files for more blog posts, customize the CSS for your desired design, and potentially use JavaScript for additional interactivity.

Output:

When you open "index.html" in a web browser, you will see a webpage with the title "My Personal Blog," a navigation menu, a blog post titled "Post Title 1," the post's publication date, and the content of your first blog post. The header and footer provide branding and copyright information, and the styling provides a basic visual design for your blog.

CONCLUSION:

It emphasizes the benefits of speed, security, scalability, simplicity, and cost-effectiveness when using a static website approach.

It also highlights the user-friendly aspects of the service, allowing bloggers to focus on content creation and engagement while IBM Cloud handles technical aspects.