**1- What is HTML?**

**A**- HTML is the main pillar of a website, it stands for "HyperText Markup Language." It's the language used to structure content to be viewed on Browsers/ World Wide Web.

HTML has elements and tags that create the structure of a web page. Headings, titles, paragraphs, images, links, and forms are examples of these elements.

When you visit a website, the browser interprets the HTML code and renders the content for you to see.

HTML works in conjunction with other technologies like CSS to make the content look in visually appealing way.

**2- What is CSS?**

**A**- CSS stands for "Cascading Style Sheets." It's used to style the presentation and layout of HTML Content displayed on the web browser. Just like HTML CSS has a set of elements to control the appearance of our HTML content. Fonts, colours, margins, padding are examples of elements we can use to style our HTML content.

**3- What is responsive design**

**A**- Responsive design is the design approach of creating webpages that adapt to various screen sizes, thereby creating an optimal viewing experience of our webpages.

The main purpose of responsive design is to ensure that our website looks and functions well on different devices such as desktop computers, laptops, tablets and smartphones.

The key concept behind responsive design is to use flexible layouts, fluid images, and media queries to adjust the website's appearance based on the screen size and resolution of the device being used. Rather than creating separate versions of a website for different devices, responsive design allows a single design to dynamically adapt to the user's device.

**4- What is a CSS preprocessor?**

**A**- CSS preprocessor extends the capabilities of standard CSS by introducing additional features and functionalities. It allows writing CSS code in a more efficient, and maintainable way than the normal way of writing plain CSS, thereby simplifying and enhancing the process of writing and managing CSS styles. Popular CSS preprocessors are Sass and LESS. They allow the use of variables in CSS, enabling the act of defining reusable values for elements like colours and font sizes. This makes it easier to maintain consistency and quickly update styles by modifying variables in a single place rather than going over each line where the change would be needed.

**5- What is a Version Control System?**

**A**- Version Control System is a software tool that enables a single developer or a team to manage changes of their codes. It also makes it easier to collaborate on the same project, keep track of modifications, who made the modification, and maintain a history of all changes made to the codes.

Features of Version Control such as Branching enable act of creating branches, which are separate copies of the project's code. This allows for work on new features or bug fixes without affecting the main project codes, once said fixes or feature is complete it can be merged back into the main codebase.

A popular version control system is Git, it is the most widely used distributed version control system, known for its speed, flexibility, and robustness. Using a version control system is considered a best practice in software development, as it streamlines collaboration and helps manage complex projects.

**6- Deploy the above task to Github.**

**A-** https://github.com/iamnur/Software-Dev-Intern-Task

**7- Discuss the biggest achievement of your career.**

**A-** My career so far has been in Tech, Educational System, and Manufacturing.

I currently work in Tech and my greatest achievement is in Tech, my current role is a digital marketer & web developer at RENEDG.

An achievement I am proud of is Building REI organization website as a beginner web developer, creating a website for a non-profit organization to help with their reach and showcase what services they offer, having positive feedback on it as well meant alot, I am currently working on improving it to a better design. Despite being new to web development, I was determined to create a professional and visually appealing website to impress clients.

The Design and Layout We worked diligently to design a clean and modern layout, I took the approach of not reinventing the wheel using a Framework. I paid attention to the organization's colour choices, and spacing to ensure a visually pleasing user experience. I made sure it was responsive, ensuring that it looked great and functioned well on various devices, including desktops, tablets, and mobile phones.

As a beginner, I actively sought feedback from peers, but most importantly in this case the challenge wasn't just me and my peers, I had to prove to the organization my work is good enough for them to use. I have consistently improved the design based on constructive criticism and best practices and the current version I am working on would be much better as the organization itself is re-branding.

It was mainly solo work I did, but I worked well with a small team from their digital marketing department in which I gained their trust and currently, I am the acting team lead. My other team members had helped in the original design of the project as well and we worked well together.

As this was my first experience working on a website with others I have learned how it is to collaborate and share ideas and it has helped me improve my communication skills and adaptability to unexpected changes.

This achievement and experience here have impacted and helped me see my future career as a fruitful one, that I believe I would enjoy striving for. I am excited for the future and also growth, as within a short period of time my original design I now see it as something I can improve and do better on, am happy to have reached a step further and now working on improving it.