# WEB PROGRAMMING

## TEAM 15

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**ASSIGNMENT 1 PART - B**

1) https://shamilsulaiman.github.io/webp-assignment1/

2) Static site hosting is used to publish websites in github. Github supports static websites only. It supports only the websites which are made up of html,css,javascript and other static assets. Our website was made entirely using html and css only. No backend or dynamic content was used. So it is totally a static webpage. Github does not support dynamic webpages.

3) Static content are those which are saved on the server and are delivered the same as before  every time to users. Any kind of modifications, processing, generation are not made when the content is delivered to the users. Examples for static contents include html files, images, forms etc.

Dynamic content is any content that constantly changes depending on the user data, user behaviour, user interactions, timing etc. Examples of dynamic content include audio, video etc depending on the user behaviour.

Differences between static and dynamic content :-

- Static content will remain the same for all users whereas dynamic content is different for different users.
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- Static web pages take less time for loading compared to dynamic web pages.

- Static webpage do not use databases but in dynamic webpage database is used.
- Static web pages can be easily designed  whereas dynamic web pages take more time.

4)  When using dedicated hosting to deploy a website, we require a dedicated server so that every resource will be primarily used for the deployed website alone. So setting up a dedicated server is a prime concern in dedicated hosting.

So the first step is to buy or rent a server. Next is to configure the server to meet our specifications that is selecting the number of cpu cores, this is done so that the server performs computations and more action at once. The RAM is also added to the server so that the website's performance is not affected.  Also adding a SSD over HDD for storage will make the website faster. Next is to select a web hosting provider. Then we need to choose a hosting plan,then we need to register a domain name for our website and the last step is to configure package options, that is to finalize the contract with the hosting provider.