Jim Lister - T1A1 - Workbook

Written Responses to short and long **answers.**

1. *Identify and explain common and important components and concept of web development*

Web development mark up language defines the method of annotating
text in order to give a specific visual output through a web browser.
Html (hyper text markup language) is the most widely used version of
this and along with CSS and Javacript can be used to make functional,
dynamic, responsive web sites. HTML specifically utilises the use of
tags to define the objects structure. For example a tag with the semantic
anotation of <Main></Main> might contain a websites main elements which
would be specified within this parent element. These tags can then be given
various different attributes to make them function in a specific way and are
identifiable for others who might also be working on the code.

2. *Define the features of the following technologies that are essential in terms of the development of
the internet:*

- *packets*

- *IP addresses (IPv4 and IPv6)*

- *routers and routing*

- *domains and DNS*

Explain how each technology has contributed to the development of the internet.

What are packets?

A packet is formatted piece of data sent from one system to another
over a network. The data is fragmented into smaller pieces and then
sent one after the other finally being combined to make up the larger
overall message.

What are IP addresses? an IP address is a number used to identify
a computer or a whole network of computers. IP4 is the older version
(Internet Protocol Version 4) which has a smaller 32-bit address
whereas IP 6 (Internet Protocol Version 6) is a 128-bit hexadecimal
address making it better in terms of complexity and efficiency.

What are routers and routing? A Router is a device that recieves
information from the internet and translates it to visual elements
that you'll see on your monitor. Routing is the process of sending
and recieving data between the personal computer and the world wide
web. This process basically concists of sending and recieving the
packet data that is broken into smaller pieces and assembling it
back into whole pieces of information.

What are domains and DNS servers? A domain is like an address that
must be registerd in order for a user to visit a website. Like a
physical address, this is where the website lives on the internet.
A DNS server is a naming database where these addresses are stored,
a bit like street directory. DNS stands for domain name system.

*explain how each technology has contributed to the devlopment
of the internet

experimenting with markdown

Next Line

More experimenting with MarkDown <div><div>

Github view is broken