PAPER SOFT

NPyoto.T.V

## Assignment -1

1) What is Read Js?

Reart JS is a free and ofen
source front-end ganascript library.

It is used for building user
I nterfaces leaved on UI components.

It is majorily used as a
lased in the development

of single page application. It

uses - wreteral DOM so

colding this usually requires

the use of additional or

extra libraries.

2) Why Reart JS?

It majore by allows developer to vicite large well applications that can change about without reloading the page. It allows us to vicate remember UI components and the main purpose

	of react is to	le fact, scalable
	of real is to	is being simple
	to read & ear	y to use made
and a standard consideration of the standard consideration and the standard consideration and	Read easy to	understand and
and an array of the state of the	Inflement.	
21		
3>	What is the	difference between
	What is the difference between library and framework?	
	L'brary	Francwork
A	Library is a set of	It re a piece of code
**\C)	rous able functions used by computer	that dictates the
	used by computer	archi tection of our
	program.	project.
	0 1	
A	Example & RoadJe,	Example is Angular Je
Λ.	j grussy.	
	Flow of control and	It only closes the
	code usil le done	flow of worters!
\$	by us (you are	and code (framework
	in charge	is inharge
A Comment		
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4) What is Violeral DOM? A Visched DOM is a lightweight javasur et supresentation of the DOM. It is used in derlarative franceworks such es Rout, Upolating vieteral port is comparatively faiter than updating the outed DOM. The virtual of the real DOM clements

generated by Reat components

before any charges are made to the page. Viertud DOM is just a copy of the original Dom Kept

in the memory and it is
syrred with the real Dom Reget DOM. Virtual DOM has the same I locks the power of directly charge the wontest of the screen.

5	Real DOM V/s	Visitual DOM?
	Real DOM	Viertual DOM
in and all the control of the contro	DOM oues ruserts	A Its object has the
	the entire UI of your application	a rea son object,
	+mcA 2	lout of touke the
	It is Manipulating	A Maripulating is much faster, lucaure
	is slower.	nech factor, lecaux
	0.288.32	onsciller.
<i>*</i>	It is composalizely heavy.	A It is leghtweight
1	In Real DOM,	\$9t lacks the
	Change what's	sual thing's
	on the screen.	change what's
A STATE OF THE STA	(1) has interested 84	
A	when updated 9+	without affecting real DOM.



6) What is Single Page Application? A single page application is an application that loads a single HTMMI page and all the newscary areas seed for the application to sur. Any interactions with the page on subsequent pages donot sugare a round teep to the server which means that the page is not reloaded. not reloaded. ueliste that interacts with the user by dynamically revisiting the Cervent wellfage with new data.

from the wellsewer, extend of the default method of a well browers loading entire new pages.

Some examples are grail, Netflix.