## Aim: To study how to install doctor and its Commands

Theory:

What is Docker?

Docker 15 an open source platform that enables developers to build , deploy , oun , update and manage containers - Standardized , executable components that combine application source code with the Operating system libraries and dependencies required to run that code in any environment Docker 15 a software platform that allows you to build itest and deploy applications quickly. Docker packages software into standardized

units called containers that have everything the software needs to run including libraries system tools , code and runtime.

why use docter?

1) Docker enables you to separate your applications from your infrastructure so you can deliver

Software quickly

2) With Docker, you can manage your infrastructure in the same ways you manage your application
3) Docker offers:

- Improved and seamless container portability
- Even lighter weight and more granular

updates

and the second second second	
	- Automated container creation
	- Container Versioning
	- Container reuse
	- shared container libraries
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	Docker tools and terms
	- Docker File
	- Docker Containers
	- Docker Hub
	- Docker Desttop
	- Docker daemon
	- Docker registry
	interest one areaster recorded to the property
•	Steps:-
	Step 1: - Installing Docker
	Update your existing list of packages!
	\$ sudo apt update
	Territore ster exercise of the calcine who is
	\$ sudo apt install apt-transport-nttps ca-certificates
	curl software - properties common
	Escollar tual and non par bar amad and
	- Add GPG key for the official Docker repository
	to your system.
	\$ curl - 755L https: 11download docker.com/linux/
	ubuniul gpg   sudo apt-key add -

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	double ord ord order order Combine or deco
	https://download.docker.com/linux/ubunty/focal stable"
	THE THE PARTY OF T
	= \$ apt-cache policy docker -ce
	- 9 sudo apt install docker-ce
	- \$ sudo systemet status docker
	Sland Executing the beating command chithout Suda
	Step2 - Executing the bocker command without sudo
	= \$ 5udo usermod -aG docker \$ {user}
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	+ \$ 54 - \$ { USER3
	4 - 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	tquorp t
	- sudo usermod -ag docter usernome
	5tep3 - Using the Docker Command
	- 1 docker [option] [command] [arguments]
	4 docker
	- \$ docker docker - subcommand -help
	docken info
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	Step 4 - working with Docker Images
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	- \$ docker run hello- coorld
	- \$ docker Search Ubunty
	CARRIED CONTROL INVESTIGATION OF THE CONTROL OF THE
	d docker pull ubuntu
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	- 9 docker images
	bus tubilies brumon into some prisus 3-2575
	5teps - kunning a pocker container
	A de la serie de la companie de la c
	\$ docker run -it ubuntu
	2001 Eday - Pot cos : 1 tt and cipilate
	- 700+@d9b100f2f636:1# apt applate
	root@dgbloofsf636: 1 # apt install node js
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	Literaupsel ( menine) Pagingel mises to
	\$ docker ps
	\$ docter ps -9
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	of a capital E
	Step 6 - Monaging Docker Containers  \$ docker ps  \$ docker ps -9  \$ docker ps -1

which is not in the last of	
	To stort a stopped container, use docker stort,
	followed by container ID
	\$ docker Start 1008070000004
	- To Stop a running container juse docter-stop, followed
	by container JD
	\$ docker Stop quizzical_monunity
	- Step 7: pushing Docker Images to a Docker Pepository
	- \$ docker login - u docker - registry - usernome
	- \$ docker push docker-registry-username docker-image-name
	4 doctor ough some lunguals made
	\$ docker push sommy lubuntu-nodejs
	Conclusion;-
	In this Experiment we have studied how to
	install Docker, worked with images and containers
	and pushed a modified image to pocker tub
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