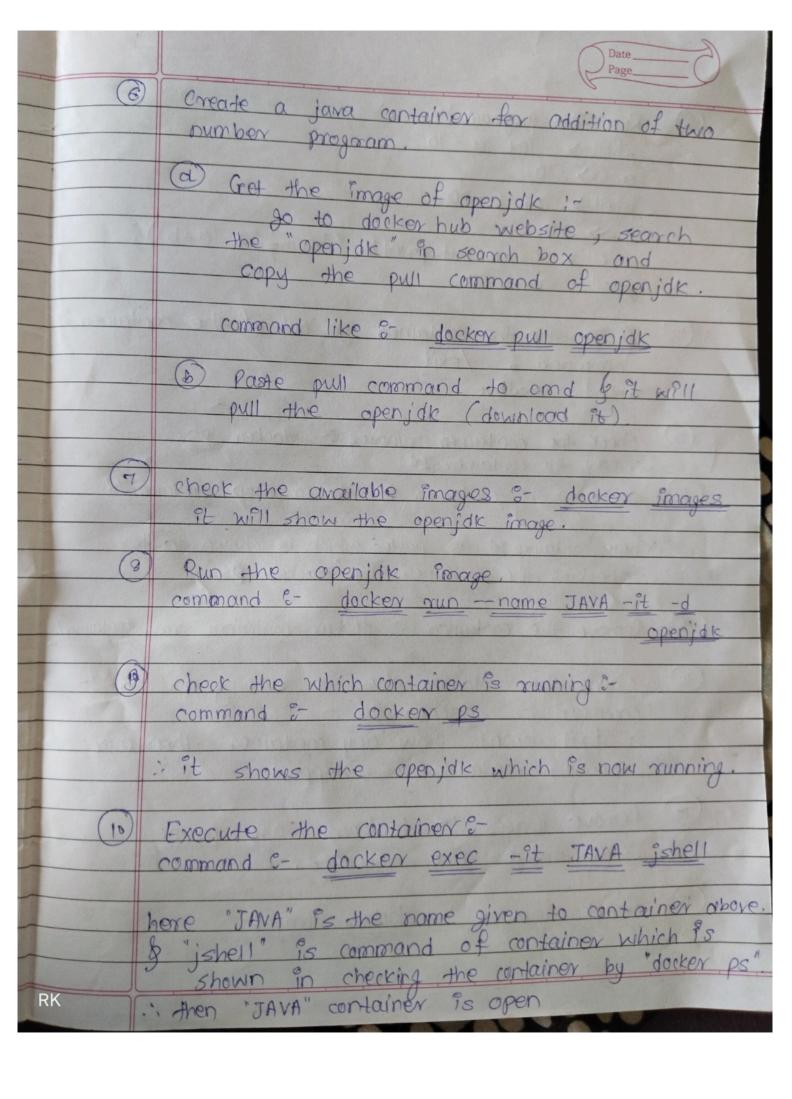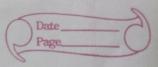① Step ① :- Install Docker on windows

② Open the command prompt.

③ check version of docker :- docker -v
   output :- Docker version 20.10.23.

④ check the docker images :- docker images

⑤ check the available & running :- docker ps
   container

∴ if does not shows any container then
   not any container is running.

⑥ Create a java container for addition of two number program.

   ⓐ Get the image of openjdk :-
     go to docker hub website, search the "openjdk" in search box and copy the pull command of openjdk.

     command like :- <u>docker pull openjdk</u>

   ⓑ Paste pull command to cmd & it will pull the openjdk (download it).

⑦ check the available images :- <u>docker images</u>
   it will show the openjdk image.

⑧ Run the openjdk image.
   command :- <u>docker run --name JAVA -it -d</u>
                              <u>openjdk</u>

⑨ check the which container is running :-
   command :- <u>docker ps</u>

∴ it shows the openjdk which is now running.

⑩ Execute the container :-
   command :- <u>docker exec -it JAVA jshell</u>

here "JAVA" is the name given to container above. & "jshell" is command of container which is shown in checking the container by "docker ps".
∴ then "JAVA" container is open

(11) Run the program :-
jshell > int a = 10
a ==> 10
jshell > int b = 20
b ==> 20
jshell > System.out.println ("sum= "+ (a+b));
~~jshell~~   Sum = 80

(12) ~~&~~ To stop the container go out of the container:-
command : /exit
output:- GoodBye

(13) check the container running :- <u>docker ps</u>
∴ copy the container Id

(14) ~~sto~~ Stop the container :- <u>docker stop containerId</u>

∴ here "container Id" is pasted which is shown after
checking the container by "docker ps"

(15) Remove the container :- <u>docker container rm containerId</u>

(16) check the container ~~the~~ is running or not !-
command :- <u>docker ps</u>
∴ if it doesn't show any container then our
running container is stopped.

(17) Remove images :- <u>docker image prune</u>
∴ all images are <u>removed</u>.

(18) check images :- <u>docker images</u>

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