DEVOPS-21CS62

B1. Create a docker image for an application stored in local repository and run the application using docker image.

Application Source code:

```
public class basic {
    public static void main(String[] args) {
        System.out.println("hello world!!!");
    }
}
```

```
// Source code is decompiled from a .class file using FernFlower decompiler
(from Intellij IDEA).
public class basic {
   public basic() {
   }

   public static void main(String[] var0) {
       System.out.println("hello world!!!");
   }
}
```

Dockerfile:

```
FROM openjdk
WORKDIR /app
COPY . /app
RUN ["javac" , "basic.java"]
CMD [ "java" , "basic" ]
```

Command to Build image: docker build -t 5c.

docker build is the command to build a Docker image.

- -t 5c tags the image with the name 5c.
- . specifies the current directory as the build context (where the Dockerfile is located).

Command to run the image: docker run --name tank1 5c

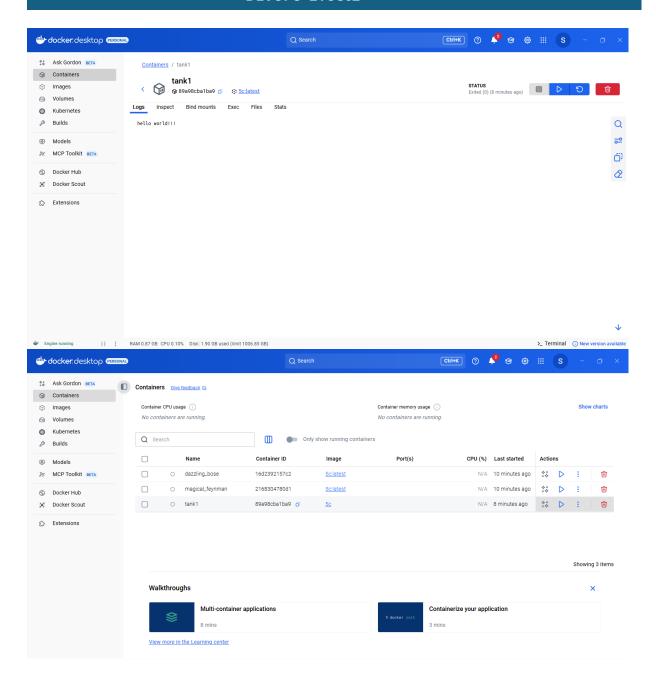
docker run runs a container from an image.

--name tank1 assigns the container the name tank1.

5c is the image name/tag you want to run.

Docker container

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Configuration	Execution	Viva	Total	Verified By