**docker –version**

**docker info**

**docker images**

**hello-world** : it is a pre-defined image responsible to run C program

**busybox** : it is a pre defined OS image.

**docker run -it ubuntu bash**

This command pull ubuntu image and open the bash.

**Creating custom image**

**To create custom image we need to create Dockerfile**

1. Display welcome message with help of busybox

**Dockerfile**

FROM busybox

CMD ["echo", "Welcome to Docker created by Akash Kale!"]

Creating the image

**docker build -t my-busybox . -f Dockerfile**

my-busybox is image name.

**docker images**

docker run **my-busybox**

1. Creating image to run the Java Program

**Demo.java**

public class Demo {

    public static void main(String args[]) {

        System.out.println("Welcome to Java Program created by Akash");

        int a=10;

        int b=20;

        int sum = a+b;

        System.out.println("Sum of a and b is: " + sum);

    }

}

**Dockerfile**

FROM openjdk:11

COPY Demo.java .

RUN javac Demo.java

CMD ["java", "Demo"]

Now we need to create image to run java program

**docker build -t my-java . -f Dockerfile**

**docker image**

**docker run my-java**