lab 9

Hello.java

```
public class Hello {
    public static void main(String[] args) {
        System.out.println("Hello from Docker Container!");
    }
}
```

Dockerfile

```
# Use an official Java compiler image
FROM eclipse-temurin:17



# Set working directory inside container
WORKDIR /app

# Copy Java source file into container
COPY Hello.java /app

# Compile Java file
RUN javac Hello.java

# Run program
CMD ["java", "Hello"]
```

commands to run in terminal:

1st :- docker build -t hello-java .

2nd:- docker run --rm hello-java

Lab10

LoginApp.java

```
import java.util.Scanner;

public class LoginApp {
    public static void main(String[] args) {
```

```
        Scanner sc = new Scanner(System.in);

        System.out.print("Enter username: ");
        String username = sc.nextLine();

        System.out.print("Enter password: ");
        String password = sc.nextLine();

        if(username.equals("admin") && password.equals("1234")) {
            System.out.println("Login Successful");
        } else {
            System.out.println("Access Denied");
        }

        sc.close();
    }
}
```

Dockerfile

```
# Use official Java image
FROM eclipse-temurin:17

# Set working directory
WORKDIR /app

# Copy Java source file to container
COPY LoginApp.java .

# Compile the Java program
RUN javac LoginApp.java

# Run the program (interactive input allowed)
CMD ["java", "LoginApp"]
```

commands :

1:- docker build -t loginapp .

2nd : docker run -it loginapp