**ASSIGNMENT**

**(SOFTWARE ENGINEERING )**

**COMPUTER SCIENCE DEPT**

**Roll no:CSEE/67 DATE:16/05/2024**

**Roll no:**

**HelloWorldProject**

src

com

example

HelloWorld.java

build

build.xml

.gitignore

**Step 2: Create the HelloWorld Java file**

java

package com.example;

public class HelloWorld {

public static void main(String[] args) {

System.out.println("Hello, World!");

}

}

**Step 3: Create the ANT build file**

In the root of your project directory, create a build.xml file with the following content:

xml

<project name="HelloWorldProject" default="run" basedir=".">

<!-- Set global properties for this build -->

<property name="src.dir" value="src"/>

<property name="build.dir" value="build"/>

<property name="classes.dir" value="${build.dir}/classes"/>

<property name="jar.dir" value="${build.dir}/jar"/>

<!-- Initialize the directory structure used by this project -->

<target name="init">

<mkdir dir="${classes.dir}"/>

<mkdir dir="${jar.dir}"/>

</target>

<!-- Compile the Java source code into the build directory -->

<target name="compile" depends="init">

<javac srcdir="${src.dir}" destdir="${classes.dir}"/>

</target>

<target name="jar" depends="compile">

<jar destfile="${jar.dir}/HelloWorld.jar" basedir="${classes.dir}">

<manifest>

<attribute name="Main-Class" value="com.example.HelloWorld"/>

</manifest>

</jar>

</target>

<!-- Run the project -->

<target name="run" depends="jar">

<java jar="${jar.dir}/HelloWorld.jar" fork="true"/>

</target>

</project>

**Step 4: Create the .gitignore file**

In the root of your project directory, create a .gitignore file with the following content:

bash

/build/

Step 5: Initialize Git and push to GitHub

Initialize a Git repository:

Open a terminal in the root directory of your project and run:

git init

Add the files to the repository:

git add .

Commit the files:

git commit -m "Initial commit"

Create a new repository on GitHub:

Create a new repository on GitHub. Let's call it HelloWorldProject.

**Add the remote repository and push the code:**

git remote add origin https://github.com/YOUR\_USERNAME/HelloWorldProject.git

git branch -M main

git push -u origin main

**Step 6: Verify your setup**

Run the ANT build:

ant