

Jenkins Code Script:

```
pipeline {
    agent any

    environment {
        DIRECTORY_PATH = '/SIT753/code/Jenkins_Pipeline_File'
        TESTING_ENVIRONMENT = 'staging'
        PRODUCTION_ENVIRONMENT = 'Rahul_Kolarkar'
    }

    stages {
        stage('Build') {
            steps {
                echo "Fetch the source code from the directory path specified by the
environment variable: ${env.DIRECTORY_PATH}"

                echo "Compile the code and generate any necessary artifacts."
            }
        }

        stage('Test') {
            steps {
                echo 'Unit tests'

                echo 'Integration tests'
            }
        }

        stage('Code Quality Check') {
            steps {
                echo 'Check the quality of the code.'
            }
        }

        stage('Deploy') {
```

```
    steps {
        echo "Deploy the application to a testing environment specified by the
environment variable: ${env.TESTING_ENVIRONMENT}"
    }
}
stage('Approval') {
    steps {
        echo 'Waiting for manual approval...'
        sleep 10
        echo 'Approval granted after 10 sec pause.'
    }
}
stage('Deploy to Production') {
    steps {
        echo "Deploy the code to the production environment:
${env.PRODUCTION_ENVIRONMENT}"
    }
}
}
```