SOURCE CODE

```
def
containerName="springboot
docker"
                                    def tag="latest"

                                    node {


                                     stage('Checkout Source Code') {
                                      checkout scm
                                     }
                                       stage('Build'){
                                          sh "mvn clean install"
                                       }
                                       stage("Image Prune"){
                                            sh "docker image prune -f"
                                       }
                                       stage('Image Build'){
                                          sh "docker build -t
                                    $containerName:${env.BUILD_NUMBER} --pull --
                                    no-cache ."
                                          echo "Image build complete"
                                       }

                                       stage ('Run Application') {
                                       try {
                                         // Stop existing Container
                                          //sh 'docker rm $containerName -f'
                                         // Start database container here
                                         sh "docker run -d --name $containerName
                                    $containerName:${env.BUILD_NUMBER}"
                                       }
                                            catch (error) {
                                       } finally {
                                         // Stop and remove database container here
```

```
   }
stage('Docker Swarm'){
      sh "docker swarm init"
       sh "docker service create  -p 8082:80 --name
myservice
$containerName:${env.BUILD_NUMBER}"
       echo "Docker Swarm Initiated"
   }
 }
}
```

```
package com.example.demodocker;
import
org.springframework.web.bind.annotation.GetMa
pping;
import
org.springframework.web.bind.annotation.PathVa
riable;
import
org.springframework.web.bind.annotation.RestCo
ntroller;
@RestController
public class DemoController {
        @GetMapping("/greet/{name}")
        public String greeting(@PathVariable String
name) {
                return "Hi!!  " + name;
        }
}
```

```
package com.example.demodocker;
import
org.springframework.boot.SpringApplication;
import
org.springframework.boot.autoconfigure.SpringBo
otApplication;
```

```
@SpringBootApplication
public class DemoDockerApplication {
	public static void main(String[] args) {

	SpringApplication.run(DemoDockerApplicati
on.class, args);
	}
}
```