

4.Setting up jenkins pipeline to Deploy

Code:

```
<!DOCTYPE html>

<html>

<head>

  <title>Provisioning Test Page</title>

  <link href="https://fonts.googleapis.com/css?family=Slabo+27px"
rel="stylesheet">

  <style type="text/css">
    body {
      text-align:center;
      font-family: 'Slabo 27px', serif;
      height:100vh;
    }

    .vertical-center {

      position:relative;
      top:50%;
      transform: translateY(-50%);

    }
```

```
img {
  width:100px;
}
</style>
</head>
<body>
  <div class="vertical-center">
    <h1>Fibonacci Generator</h1>

    <p>The number at position <%= index %> is <%= value %></p>
    
  </div>
</body>
</html>
```

HACKABLE:

```
<!DOCTYPE html>
<html>
<head>
  <title>Provisioning Test Page</title>
  <link href="https://fonts.googleapis.com/css?family=Slabo+27px"
rel="stylesheet">
  <style type="text/css">
```

```
body {  
    text-align:center;  
    font-family: 'Slabo 27px', serif;  
    height:100vh;  
}
```

```
.vertical-center {  
  
    position:relative;  
    top:50%;  
    transform: translateY(-50%);  
  
}
```

```
img {  
    width:100px;  
}
```

```
#command {  
    width:50%;  
    display: inline-block;  
}
```

```
#stdout {
```

```
width:50%;
display: inline-block;
}
</style>
</head>
<body>
<div class="vertical-center">


<h1>Hackable: Code Injection</h1>

<p>The following command was run on the server!</p>
<code id="command">
  <%= command %>
</code>
<p>This was the result</p>
<code id="stdout">
  <%= stdout %>
</code>
</div>
</body>
</html>
```

POSTS:

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
  <title>Provisioning Test Page</title>
```

```
  <link href="https://fonts.googleapis.com/css?family=Slabo+27px"
rel="stylesheet">
```

```
  <style type="text/css">
```

```
    body {
```

```
      font-family: 'Slabo 27px', serif;
```

```
      height:100vh;
```

```
    }
```

```
    img {
```

```
      width:100px;
```

```
    }
```

```
    .blog {
```

```
      padding:50px;
```

```
    }
```

```
    .post {
```

```
      padding:20px;
```

```

    }
</style>
</head>
<body>
    <div class="blog">
        
        <h1>Recent Posts</h1>
        <hr/>

        <% posts.forEach(function(post){ %>
            <div class="post">
                <h3><%= post.title %></h3>
                <p><%= post.body %></p>
            </div>
        <% }) %>
    </div>
</body>
</html>

```

JENKINSFILES:

```

pipeline {
    environment {
        registry = "naistangz/docker_automation"
    }
}

```

```
registryCredential = "dockerhub"
dockerImage = "
PATH = "$PATH:/usr/local/bin"
}

agent {
    'docker'}
stages {
    stage('Cloning our Git') {
        steps {
            git
            'https://github.com/naistangz/Docker_Jenkins_Pipeline.git'
        }
    }

    stage('Building Docker Image') {
        steps {
            script {
                dockerImage = docker.build registry +
                ":$BUILD_NUMBER"
            }
        }
    }
}
```

```
stage('Deploying Docker Image to Dockerhub') {  
    steps {  
        script {  
            docker.withRegistry("", registryCredential) {  
                dockerImage.push()  
            }  
        }  
    }  
}
```

```
stage('Cleaning Up') {  
    steps{  
        sh "docker rmi $registry:$BUILD_NUMBER"  
    }  
}  
}
```