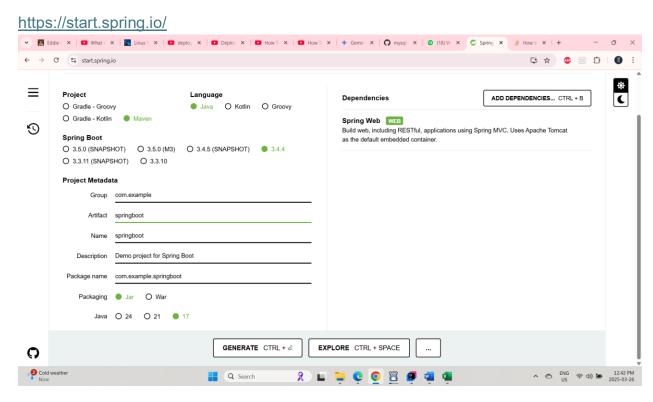
## Automate CI Jenkins pipeline to deploy a war file for a Springboot application

Download the javaspring boot application along with version and dependencies from spring init



1. In the **maven central repository** find the dependency code for **thyme leaf** to add it to the POM.xml file

https://mvnrepository.com/artifact/org.springframework.boot/spring-boot-starter-thymeleaf/3.4.0

Add index.html file under templates folder with below code
<!DOCTYPE html>
<head>
 <title>
 Create a Portfolio Gallery
 using HTML and CSS
 </title>
 <meta name="viewport"
 content="width=device-width, initial-scale=1">

```
</head>
<body>
<style>
  * {
  box-sizing: border-box;
}
/* padding for whole body */
body {
  padding: 15px;
}
/* styling body */
.container {
  max-width: 1200px;
  margin: auto;
}
h1 {
  color: white;
/* anchor tag decoration */
  text-decoration: none;
  color: #5673C8;
}
a:hover {
  color: lightblue;
}
/* paragraph tag decoration */
p {
  display: -webkit-box;
  -webkit-box-orient: vertical;
  -webkit-line-clamp: 4;
  overflow: hidden;
```

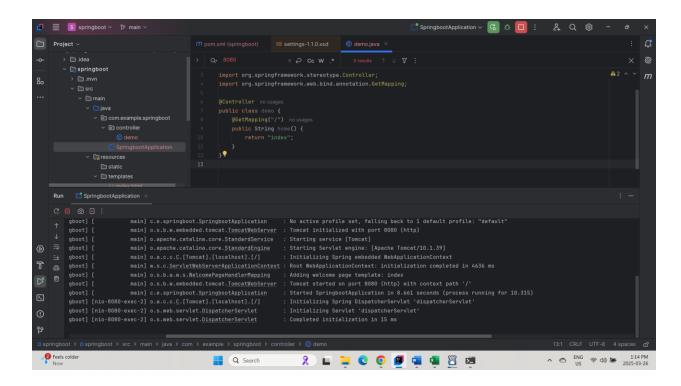
```
}
/* row and column decoration */
.row {
  margin: 0px -18px;
  padding: 8px;
}
.row>.column {
  padding: 6px;
}
.column {
  float: left;
  width: 20%;
  position: relative; /* Add position relative */
  transition: all 0.3s ease; /* Smooth transition */
}
.column:hover {
  width: 25%;
  top: -20px; /* Move up on hover */
  box-shadow: 0 14px 8px rgba(0, 128, 0, 0.5); /* Add box shadow on hover */
}
.row:after {
  content: "";
  display: table;
  clear: both;
}
/* content decoration */
.content {
  background-color: white;
  padding: 10px;
  border: 1px solid gray;
}
/* window size 850 width set */
@media screen and (max-width: 850px) {
```

```
.column {
     width: 50%;
}
/* window size 400 width set */
@media screen and (max-width: 400px) {
  .column {
     width: 100%;
  }
}
.title {
  text-align: center;
  position: relative;
  width: 100%;
  height: 15%;
  background-color: green;
}
</style>
<!-- title and tag -->
<div class="title"><h1>Automate Javaspring app using CICD on
Jenkins</h1></div>
<div class="container">
  <h3>A Computer Science Portal for Geeks</h3>
  <hr>
  <!-- Content of the body-->
  <h2>Portfolio</h2>
  <div class="row">
     <div class="column">
       <div class="content">
          <img src=
                  "https://www.geeksforgeeks.org/wp-content/uploads/html.png"
             alt="" style="width:100%">
          <h3>
            <a href="#">HTML Tutorials</a>
          </h3>
```

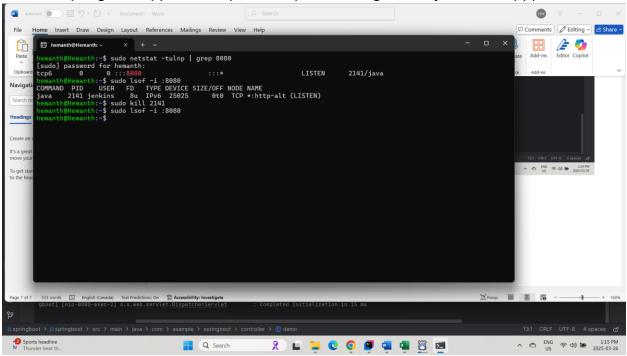
```
>
           HTML stands for Hyper Text Markup
           Language. It is used to design web
           pages using markup language. HTML
           is the combination of Hypertext and
           Markup language. Hypertext defines
           the link between the web pages.
         </div>
    </div>
    <div class="column">
       <div class="content">
         <imq src=
                 "https://www.geeksforgeeks.org/wp-content/uploads/CSS.png"
            alt="" style="width:100%">
         <h3>
            <a href="#">CSS Tutorials</a>
         </h3>
         >
           Cascading Style Sheets, fondly referred
           to as CSS, is a simply designed language
           intended to simplify the process of
           making web pages presentable. CSS allows
           you to apply styles to web pages.
         </div>
    </div>
    <div class="column">
       <div class="content">
         <img src="https://www.geeksforgeeks.org/wp-content/uploads/php-</pre>
1.png" alt="" style="width:100%">
         <h3>
            <a href="#">PHP Tutorials</a>
         </h3>
         >
           The term PHP is an acronym for PHP:
           Hypertext Preprocessor. PHP is a
```

```
server-side scripting language
            designed specifically for web
            development. PHP can be easily
            embedded in HTML files.
         </div>
    </div>
    <div class="column">
       <div class="content">
         <img src=
                 "https://www.geeksforgeeks.org/wp-
content/uploads/javascript.png"
            alt="" style="width:100%">
         <h3>
            <a href="#">JavaScript Tutorials</a>
         </h3>
         >
            Javascript was developed by Brendan
            Eich in 1995. At first, it was called
           LiveScript but was later name to
            JavaScript. JavaScript is the muscle
            of the structure
         </div>
    </div>
  </div>
</div>
</body>
</html>
```

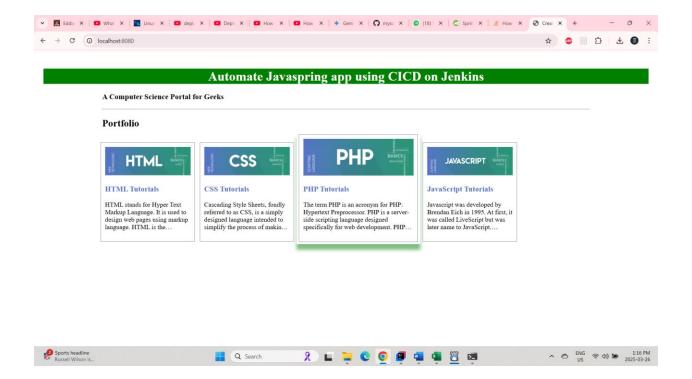
Under springboot folder, create a demo.java file with below code



2. Run the springboot application (kill if the port is being used by another app)



3. Launch the application at 8080 port



4. Add dockerfile, JenkinsFile and update Pom.xml with dependency and commit

```
heman@Hemanth MINGW64 /d/GitProjects/springit/springboot/springboot (main)

$ git push -u origin main
Enumerating objects: 7, done.

Counting objects: 100% (7/7), done.

Delta compression using up to 4 threads

Compressing objects: 100% (5/5), done.

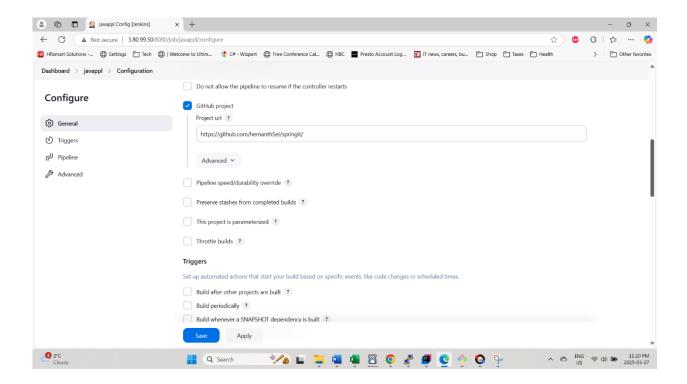
Writing objects: 100% (5/5), 1.49 KiB | 508.00 KiB/s, done.

Total 5 (delta 2), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (2/2), completed with 2 local objects.

To https://github.com/hemanthSel/springit.git
6d464ef..98415c3 main -> main
branch 'main' set up to track 'origin/main'.

heman@Hemanth MINGW64 /d/GitProjects/springit/springboot/springboot (main)
```

5. Create a job in Jenkins and map SVM with github repo



## Run image

## Application up and running

