

Projeto Sistema Cliente/Servidor

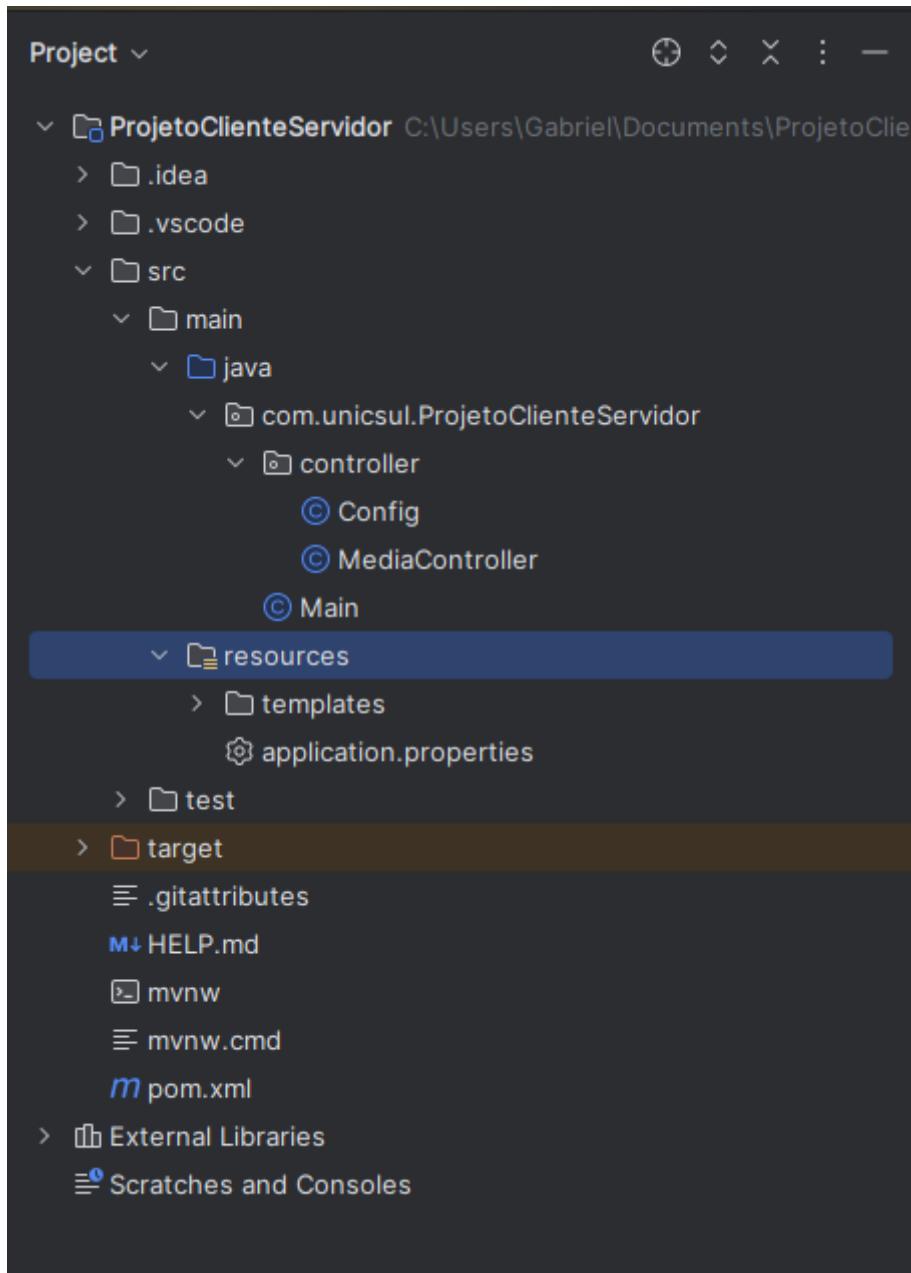
Alunos:

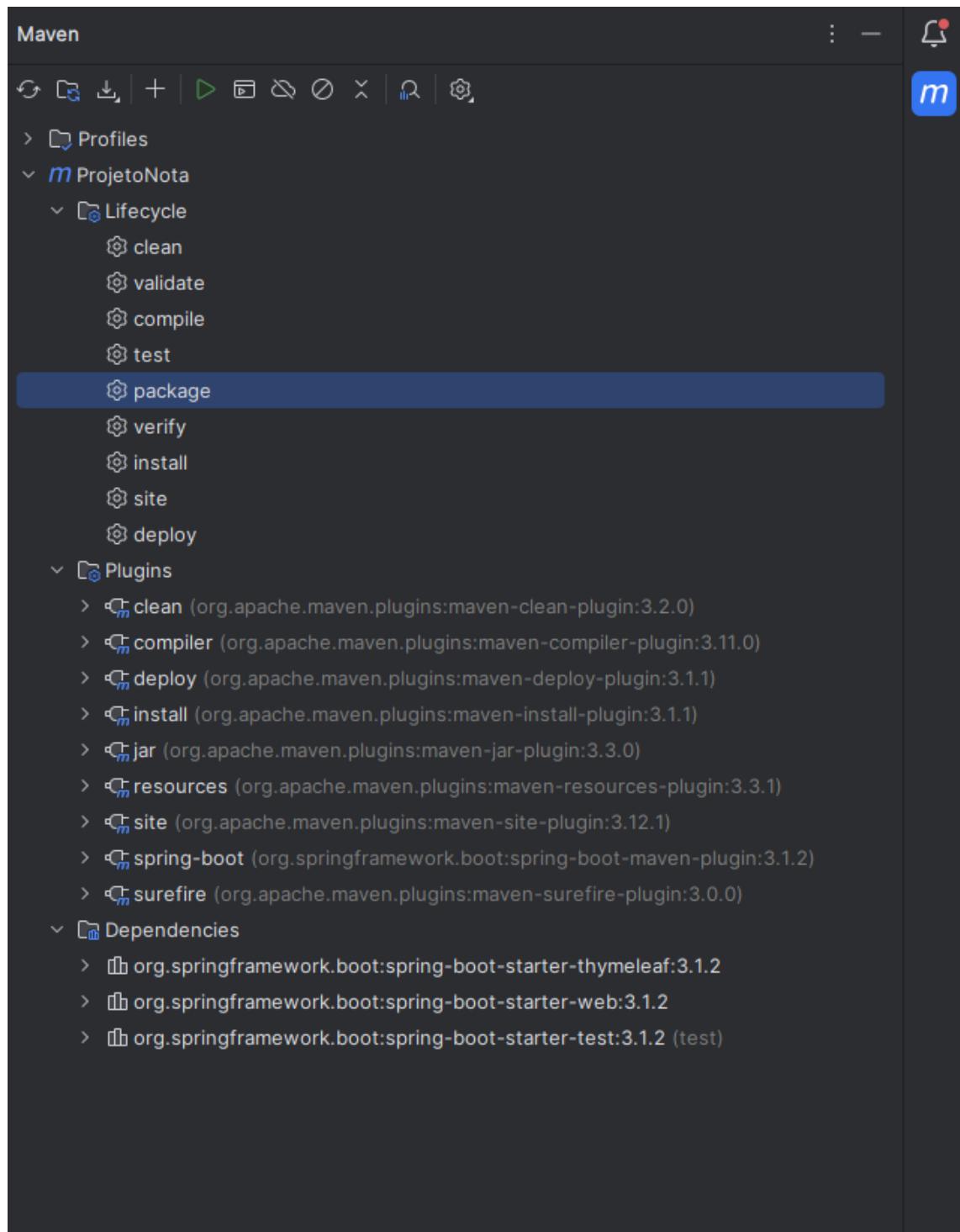
Gabriel Chaves Medeiro - RGM:29751161

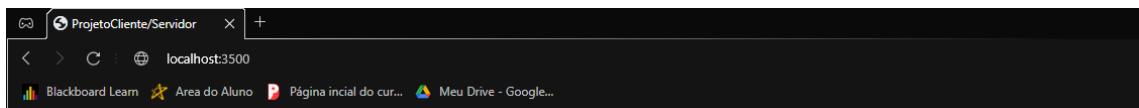
Guilherme Koga Pereira - RGM:29678056

Lucas do Santos Antunes – RGM: 29682231

<https://github.com/GCMedeiro/ProjetoClienteServidor.git>







Seja muito bem-vindo

Home

Integrantes

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Link do github: [LinkDoRepositorio](#)

Projeto Cliente Servidor

Neste projeto utilizamos de recursos do spring para criação de 3 rotas + página home no endereço "localhost:3500"

Como usar as rotas

Rota bemvindo

Para utilização da rota bemvindo basta acessar do localhost e adicionar a rota "/bemvindo" e passar um parametro pela barra de endereço com o seu nome.

Exemplo: localhost:3500/bemvindo/(seu_nome)

Rota de IMC

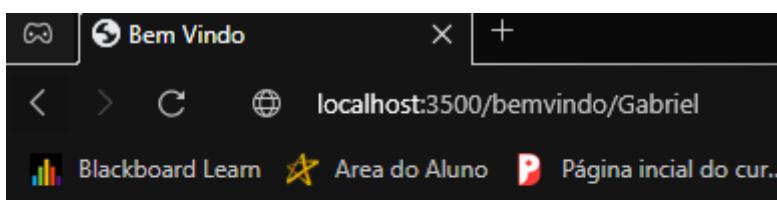
Para utilização da rota de IMC, basta colocar o valor do peso em kg e o valor em da altura em metros, acessar localhost e adicionar a rota "/imc" e adicionar duas notas.

Exemplo: localhost:3500/imc/(peso)/(altura)

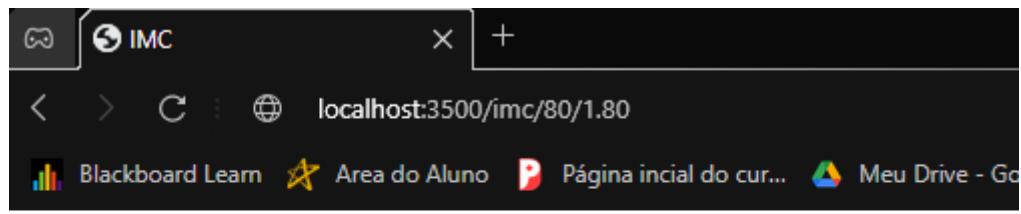
Rota de Raíz

Para utilizar a rota de calculo da raiz, acesse localhost e adicione a rota "/raiz" e ao lado o número que deseja realizar a conta.

Exemplo: localhost:3500/raiz(numero)

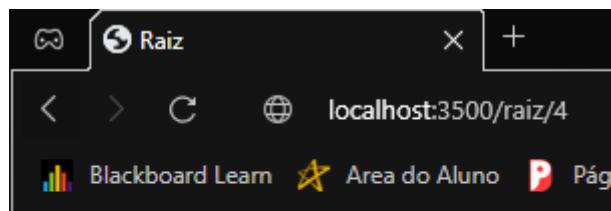


Seja bem vindo, Gabriel



O imc final é: 24.691358024691358

Chamada: Esse é o seu IMC



A raiz é: 2

```
1 #!/bin/sh
2 #
3 # Licensed to the Apache Software Foundation (ASF)
4 # under one or more contributor license agreements. See the
5 # NOTICE file
6 # distributed with this work for additional
7 # information
8 # regarding copyright ownership. The ASF licenses
9 # this file
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19 # writing,
20 # software distributed under the License is
21 # distributed on an
22 # "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF
23 # ANY
24 # KIND, either express or implied. See the License
25 # for the
26 # specific language governing permissions and
27 # limitations
28 # under the License.
29 #
30 #
31 #
32 # Apache Maven Wrapper startup batch script, version
33 # 3.2.0
34 #
35 # Required ENV vars:
36 #
37 # JAVA_HOME - location of a JDK home dir
```

```
27 #
28 # Optional ENV vars
29 #
30 # MAVEN_OPTS - parameters passed to the Java VM
31 # when running Maven
32 # e.g. to debug Maven itself, use
33 #       set MAVEN_OPTS=-Xdebug -Xrunjdwp:transport=
34 #           dt_socket,server=y,suspend=y,address=8000
35 # MAVEN_SKIP_RC - flag to disable loading of
36 # mavenrc files
37 #
38 #
39 #
40 #
41 #
42 #
43 #
44 #
45 #
46 #
47 #
48 #
49 #
50 #
51 #
52 # OS specific support. $var _must_ be set to either
53 # true or false.
54 cygwin=false;
55 darwin=false;
56 mingw=false
57 case "$(uname)" in
58   CYGWIN*) cygwin=true ;;
59   MINGW*) mingw=true;;
60   Darwin*) darwin=true
61   # Use /usr/libexec/java_home if available,
62   # otherwise fall back to /Library/Java/Home
63   # See https://developer.apple.com/library/mac/qa/
```

```

61 qa1170/_index.html
62     if [ -z "$JAVA_HOME" ]; then
63         if [ -x "/usr/libexec/java_home" ]; then
64             JAVA_HOME=$((/usr/libexec/java_home));
65             export JAVA_HOME
66         else
67             JAVA_HOME="/Library/Java/Home"; export
68             JAVA_HOME
69         fi
70     esac
71
72 if [ -z "$JAVA_HOME" ] ; then
73     if [ -r /etc/gentoo-release ] ; then
74         JAVA_HOME=$(java-config --jre-home)
75     fi
76 fi
77
78 # For Cygwin, ensure paths are in UNIX format before
    anything is touched
79 if $cygwin ; then
80     [ -n "$JAVA_HOME" ] &&
81     JAVA_HOME=$(cygpath --unix "$JAVA_HOME")
82     [ -n "$CLASSPATH" ] &&
83     CLASSPATH=$(cygpath --path --unix "$CLASSPATH")
84 fi
85
86 # For Mingw, ensure paths are in UNIX format before
    anything is touched
87 if $mingw ; then
88     [ -n "$JAVA_HOME" ] && [ -d "$JAVA_HOME" ] &&
89     JAVA_HOME=$(cd "$JAVA_HOME" || (echo "cannot cd
        into $JAVA_HOME."; exit 1); pwd)"
90 fi
91
92 if [ -z "$JAVA_HOME" ]; then
93     javaExecutable=$(which javac)
94     if [ -n "$javaExecutable" ] && ! [ "$(expr "\"
        $javaExecutable\" : '\([^\]*\)')" = "no" ]; then
95         # readlink(1) is not available as standard on

```

```

95 Solaris 10.
96     readLink=$(which readlink)
97     if [ ! "$expr \"$readLink\" : '\\"([^\ ]*\')'" = "no
98   ]; then
99     if $darwin ; then
100       javaHome=$(dirname "\$javaExecutable\"")
101       javaExecutable=$(cd "\$javaHome\" && pwd
102 -P)/javac"
103     else
104       javaExecutable=$(readlink -f "\$javaExecutable\"")
105     fi
106     javaHome=$(dirname "\$javaExecutable\"")
107     javaHome=$(expr "$javaHome" : '\(.*/\)/bin')
108     JAVA_HOME="$javaHome"
109     export JAVA_HOME
110   fi
111 fi
112 if [ -z "$JAVACMD" ] ; then
113   if [ -n "$JAVA_HOME" ] ; then
114     if [ -x "$JAVA_HOME/jre/sh/java" ] ; then
115       # IBM's JDK on AIX uses strange locations for
116       # the executables
117       JAVACMD="$JAVA_HOME/jre/sh/java"
118     else
119       JAVACMD="$JAVA_HOME/bin/java"
120     fi
121   else
122     JAVACMD="$(\unset -f command 2>/dev/null; \
123   command -v java)"
124   fi
125 fi
126 if [ ! -x "$JAVACMD" ] ; then
127   echo "Error: JAVA_HOME is not defined correctly."
128   >&2
129   echo "  We cannot execute $JAVACMD" >&2
130   exit 1
131 fi

```

```
130
131 if [ -z "$JAVA_HOME" ] ; then
132   echo "Warning: JAVA_HOME environment variable is
133     not set."
134 fi
135 # traverses directory structure from process work
136 # directory to filesystem root
137 # first directory with .mvn subdirectory is
138 # considered project base directory
139 find_maven_basedir() {
140   if [ -z "$1" ]
141   then
142     echo "Path not specified to find_maven_basedir"
143     return 1
144   fi
145   basedir="$1"
146   wdir="$1"
147   while [ "$wdir" != '/' ] ; do
148     if [ -d "$wdir/.mvn" ] ; then
149       basedir=$wdir
150       break
151     fi
152   # workaround for JBEAP-8937 (on Solaris 10/Sparc
153   )
154   if [ -d "${wdir}" ]; then
155     wdir=$(cd "${wdir}/.." || exit 1; pwd)
156   fi
157   # end of workaround
158 done
159 printf '%s' "$(cd "$basedir" || exit 1; pwd)"
160 }
161 concat_lines() {
162   if [ -f "$1" ]; then
163     # Remove \r in case we run on Windows within Git
164     # Bash
165     # and check out the repository with auto CRLF
166     # management
```

```
165      # enabled. Otherwise, we may read lines that are
166      # delimited with
167      # \r\n and produce $'-Xarg\r' rather than -Xarg
168      # due to word
169      # splitting rules.
170      tr -s '\r\n' ' ' < "$1"
171  fi
172 }
173
174 log() {
175     if [ "$MVNW_VERBOSE" = true ]; then
176         printf '%s\n' "$1"
177     fi
178 }
179
180 BASE_DIR=$(find_maven_basedir "$(dirname "$0")")
181 if [ -z "$BASE_DIR" ]; then
182     exit 1;
183 fi
184
185 MAVEN_PROJECTBASEDIR=${MAVEN_BASEDIR:-"$BASE_DIR"};
186 export MAVEN_PROJECTBASEDIR
187 log "$MAVEN_PROJECTBASEDIR"
188
189 ######
190 # Extension to allow automatically downloading the
191 # maven-wrapper.jar from Maven-central
192 # This allows using the maven wrapper in projects
193 # that prohibit checking in binary data.
194 #####
195
196 wrapperJarPath="$MAVEN_PROJECTBASEDIR/.mvn/wrapper/
197 maven-wrapper.jar"
198 if [ -r "$wrapperJarPath" ]; then
199     log "Found $wrapperJarPath"
200 else
201     log "Couldn't find $wrapperJarPath, downloading
202 it ..."
203
204     if [ -n "$MVNW_REPOURL" ]; then
```

```

197     wrapperUrl="$MVNW_REPOURL/org/apache/maven/
198         wrapper/maven-wrapper/3.2.0/maven-wrapper-3.2.0.jar"
199     else
200         wrapperUrl="https://repo.maven.apache.org/
201             maven2/org/apache/maven/wrapper/maven-wrapper/3.2.0/
202                 maven-wrapper-3.2.0.jar"
203     fi
204     while IFS="=" read -r key value; do
205         # Remove '\r' from value to allow usage on
206         # windows as IFS does not consider '\r' as a separator
207         # ( considers space, tab, new line ('\n'), and custom
208         # '=' )
209         safeValue=$(echo "$value" | tr -d '\r')
210         case "$key" in
211             wrapperUrl) wrapperUrl="$safeValue"; break ;;
212         esac
213     done < "$MAVEN_PROJECTBASEDIR/.mvn/wrapper/maven-
214         -wrapper.properties"
215     log "Downloading from: $wrapperUrl"
216
217     if $cygwin; then
218         wrapperJarPath=$(cygpath --path --windows "$wrapperJarPath")
219     fi
220
221     if command -v wget > /dev/null; then
222         log "Found wget ... using wget"
223         [ "$MVNW_VERBOSE" = true ] && QUIET="" ||
224             QUIET="--quiet"
225         if [ -z "$MVNW_USERNAME" ] || [ -z "$MVNW_PASSWORD" ]; then
226             wget $QUIET "$wrapperUrl" -O "$wrapperJarPath" ||
227                 rm -f "$wrapperJarPath"
228         else
229             wget $QUIET --http-user="$MVNW_USERNAME"
230                 --http-password="$MVNW_PASSWORD" "$wrapperUrl" -O "$wrapperJarPath" ||
231                     rm -f "$wrapperJarPath"
232         fi
233     elif command -v curl > /dev/null; then
234         log "Found curl ... using curl"
235         [ "$MVNW_VERBOSE" = true ] && QUIET="" ||

```

```

223 QUIET="--silent"
224     if [ -z "$MVNW_USERNAME" ] || [ -z "
$MVNW_PASSWORD" ]; then
225         curl $QUIET -o "$wrapperJarPath" "
$wrapperUrl" -f -L || rm -f "$wrapperJarPath"
226     else
227         curl $QUIET --user "$MVNW_USERNAME:
$MVNW_PASSWORD" -o "$wrapperJarPath" "$wrapperUrl" -
f -L || rm -f "$wrapperJarPath"
228     fi
229   else
230     log "Falling back to using Java to download"
231     javaSource="$MAVEN_PROJECTBASEDIR/.mvn/
wrapper/MavenWrapperDownloader.java"
232     javaClass="$MAVEN_PROJECTBASEDIR/.mvn/
wrapper/MavenWrapperDownloader.class"
233     # For Cygwin, switch paths to Windows format
234     # before running javac
235     if $cygwin; then
236       javaSource=$(cygpath --path --windows "
$javaSource")
237       javaClass=$(cygpath --path --windows "
$javaClass")
238     fi
239     if [ -e "$javaSource" ]; then
240       if [ ! -e "$javaClass" ]; then
241         log " - Compiling
MavenWrapperDownloader.java ..."
242       fi
243       if [ -e "$javaClass" ]; then
244         log " - Running
MavenWrapperDownloader.java ..."
245       ("$JAVA_HOME/bin/java" -cp .mvn/
wrapper MavenWrapperDownloader "$wrapperUrl" "
$wrapperJarPath") || rm -f "$wrapperJarPath"
246     fi
247   fi
248 fi
249 fi

```

```

250 ######
######
251 # End of extension
252 ######
#####
253
254 # If specified, validate the SHA-256 sum of the
# Maven wrapper jar file
255 wrapperSha256Sum=""
256 while IFS="=" read -r key value; do
257   case "$key" in
258     wrapperSha256Sum)
259       wrapperSha256Sum=$value; break ;;
260     esac
261   done < "$MAVEN_PROJECTBASEDIR/.mvn/wrapper/maven-
wrapper.properties"
262 if [ -n "$wrapperSha256Sum" ]; then
263   wrapperSha256Result=false
264   if command -v sha256sum > /dev/null; then
265     if echo "$wrapperSha256Sum $wrapperJarPath" |
266       sha256sum -c > /dev/null 2>&1; then
267       wrapperSha256Result=true
268     fi
269   elif command -v shasum > /dev/null; then
270     if echo "$wrapperSha256Sum $wrapperJarPath" |
271       shasum -a 256 -c > /dev/null 2>&1; then
272       wrapperSha256Result=true
273     fi
274   else
275     echo "Checksum validation was requested but
neither 'sha256sum' or 'shasum' are available."
276     echo "Please install either command, or disable
validation by removing 'wrapperSha256Sum' from your
maven-wrapper.properties."
277     exit 1
278   fi
279   if [ $wrapperSha256Result = false ]; then
280     echo "Error: Failed to validate Maven wrapper
SHA-256, your Maven wrapper might be compromised."
281     >&2
282     echo "Investigate or delete $wrapperJarPath to
attempt a clean download." >&2

```

```
278     echo "If you updated your Maven version, you
279         need to update the specified wrapperSha256Sum
280         property." >&2
281     exit 1
282 fi
283 MAVEN_OPTS=$(concat_lines "$MAVEN_PROJECTBASEDIR/.
284 mvn/jvm.config") $MAVEN_OPTS"
285 # For Cygwin, switch paths to Windows format before
286 # running java
286 if $cygwin; then
287     [ -n "$JAVA_HOME" ] &&
288         JAVA_HOME=$(cygpath --path --windows "$JAVA_HOME"
289     )
290     [ -n "$CLASSPATH" ] &&
291         CLASSPATH=$(cygpath --path --windows "$CLASSPATH"
292     )
293     [ -n "$MAVEN_PROJECTBASEDIR" ] &&
294         MAVEN_PROJECTBASEDIR=$(cygpath --path --windows
295         "$MAVEN_PROJECTBASEDIR")
296 fi
297 # Provide a "standardized" way to retrieve the CLI
298 # args that will
299 # work with both Windows and non-Windows executions.
300 MAVEN_CMD_LINE_ARGS="$MAVEN_CONFIG $*"
301 export MAVEN_CMD_LINE_ARGS
302
303 WRAPPER_LAUNCHER=org.apache.maven.wrapper.
304 MavenWrapperMain
305
306 # shellcheck disable=SC2086 # safe args
307 exec "$JAVACMD" \
308     $MAVEN_OPTS \
309     $MAVEN_DEBUG_OPTS \
310     -classpath "$MAVEN_PROJECTBASEDIR/.mvn/wrapper/
311     maven-wrapper.jar" \
312     "-Dmaven.multiModuleProjectDirectory=${
313     MAVEN_PROJECTBASEDIR}" \
```

308 \${WRAPPER_LAUNCHER} \$MAVEN_CONFIG "\$@"

309

```
1 # Getting Started
2
3 ### Reference Documentation
4 For further reference, please consider the following
sections:
5
6 * [Official Apache Maven documentation](https://maven.apache.org/guides/index.html)
7 * [Spring Boot Maven Plugin Reference Guide](https://docs.spring.io/spring-boot/docs/3.1.2/maven-plugin/reference/html/)
8 * [Create an OCI image](https://docs.spring.io/spring-boot/docs/3.1.2/maven-plugin/reference/html/#build-image)
9 * [Spring Web](https://docs.spring.io/spring-boot/docs/3.1.2/reference/htmlsingle/index.html#web)
10 * [Thymeleaf](https://docs.spring.io/spring-boot/docs/3.1.2/reference/htmlsingle/index.html#web.servlet.spring-mvc.template-engines)
11
12 ### Guides
13 The following guides illustrate how to use some
features concretely:
14
15 * [Building a RESTful Web Service](https://spring.io/guides/gs/rest-service/)
16 * [Serving Web Content with Spring MVC](https://spring.io/guides/gs/serving-web-content/)
17 * [Building REST services with Spring](https://spring.io/guides/tutorials/rest/)
18 * [Handling Form Submission](https://spring.io/guides/gs/handling-form-submission/)
19
20
```

```
1 <?xml version="1.0" encoding="UTF-8"?>
2 <project xmlns="http://maven.apache.org/POM/4.0.0"
3   xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
4     xsi:schemaLocation="http://maven.apache.org/POM/4
5 .0.0 https://maven.apache.org/xsd/maven-4.0.0.xsd">
6   <modelVersion>4.0.0</modelVersion>
7   <parent>
8     <groupId>org.springframework.boot</groupId>
9     <artifactId>spring-boot-starter-parent</
10    artifactId>
11    <version>3.1.2</version>
12    <relativePath/> <!-- lookup parent from
13 repository -->
14  </parent>
15  <groupId>com.unicsul</groupId>
16  <artifactId>ProjetoClienteServidor</artifactId>
17  <version>0.0.1-SNAPSHOT</version>
18  <name>ProjetoNota</name>
19  <description>Demo project for Spring Boot</
20  description>
21  <properties>
22    <java.version>20</java.version>
23  </properties>
24  <dependencies>
25    <dependency>
26      <groupId>org.springframework.boot</
27      groupId>
28      <artifactId>spring-boot-starter-thymeleaf</
29      artifactId>
30      </dependency>
31      <dependency>
32        <groupId>org.springframework.boot</
33        groupId>
34        <artifactId>spring-boot-starter-web</
35        artifactId>
36        </dependency>
37
38      <dependency>
39        <groupId>org.springframework.boot</
40        groupId>
41        <artifactId>spring-boot-starter-test</
42        artifactId>
```

```
31 <artifactId>
32     <scope>test</scope>
33 </dependency>
34 </dependencies>
35
36 <build>
37     <plugins>
38         <plugin>
39             <groupId>org.springframework.boot</
40             <groupId>
41                 <artifactId>spring-boot-maven-plugin
42             </artifactId>
43         </plugin>
44     </plugins>
45 </build>
46
```

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17 @REM under the License.

18 @REM

19

20 @REM

21 @REM Apache Maven Wrapper startup batch script,
version 3.2.0

22 @REM

```

23 @REM Required ENV vars:
24 @REM JAVA_HOME - location of a JDK home dir
25 @REM
26 @REM Optional ENV vars
27 @REM MAVEN_BATCH_ECHO - set to 'on' to enable the
echoing of the batch commands
28 @REM MAVEN_BATCH_PAUSE - set to 'on' to wait for a
keystroke before ending
29 @REM MAVEN_OPTS - parameters passed to the Java VM
when running Maven
30 @REM e.g. to debug Maven itself, use
31 @REM set MAVEN_OPTS=-Xdebug -Xrunjdwp:transport=
dt_socket,server=y,suspend=y,address=8000
32 @REM MAVEN_SKIP_RC - flag to disable loading of
mavenrc files
33 @REM
-----  

-----  

34
35 @REM Begin all REM lines with '@' in case
MAVEN_BATCH_ECHO is 'on'
36 @echo off
37 @REM set title of command window
38 title %0
39 @REM enable echoing by setting MAVEN_BATCH_ECHO to '
on'
40 @if "%MAVEN_BATCH_ECHO%" == "on" echo %
MAVEN_BATCH_ECHO%
41
42 @REM set %HOME% to equivalent of $HOME
43 if "%HOME%" == "" (set "HOME=%HOMEDRIVE%%HOMEPATH%")
44
45 @REM Execute a user defined script before this one
46 if not "%MAVEN_SKIP_RC%" == "" goto skipRcPre
47 @REM check for pre script, once with legacy .bat
ending and once with .cmd ending
48 if exist "%USERPROFILE%\mavenrc_pre.bat" call "%
USERPROFILE%\mavenrc_pre.bat" %*
49 if exist "%USERPROFILE%\mavenrc_pre.cmd" call "%
USERPROFILE%\mavenrc_pre.cmd" %*
50 :skipRcPre

```

```
51
52 @setlocal
53
54 set ERROR_CODE=0
55
56 REM To isolate internal variables from possible post
      scripts, we use another setlocal
57 @setlocal
58
59 REM ===== START VALIDATION =====
60 if not "%JAVA_HOME%" == "" goto OkJHome
61
62 echo.
63 echo Error: JAVA_HOME not found in your environment.
      >&2
64 echo Please set the JAVA_HOME variable in your
      environment to match the >&2
65 echo location of your Java installation. >&2
66 echo.
67 goto error
68
69 :OkJHome
70 if exist "%JAVA_HOME%\bin\java.exe" goto init
71
72 echo.
73 echo Error: JAVA_HOME is set to an invalid directory
      . >&2
74 echo JAVA_HOME = "%JAVA_HOME%" >&2
75 echo Please set the JAVA_HOME variable in your
      environment to match the >&2
76 echo location of your Java installation. >&2
77 echo.
78 goto error
79
80 REM ===== END VALIDATION =====
81
82 :init
83
84 REM Find the project base dir, i.e. the directory
      that contains the folder ".mvn".
85 REM Fallback to current working directory if not
```

```
85 found.
86
87 set MAVEN_PROJECTBASEDIR=%MAVEN_BASEDIR%
88 IF NOT "%MAVEN_PROJECTBASEDIR%"=="" goto
endDetectBaseDir
89
90 set EXEC_DIR=%CD%
91 set WDIR=%EXEC_DIR%
92 :findBaseDir
93 IF EXIST "%WDIR%\.\mvn" goto baseDirFound
94 cd ..
95 IF "%WDIR%"=="%CD%" goto baseDirNotFound
96 set WDIR=%CD%
97 goto findBaseDir
98
99 :baseDirFound
100 set MAVEN_PROJECTBASEDIR=%WDIR%
101 cd "%EXEC_DIR%"
102 goto endDetectBaseDir
103
104 :baseDirNotFound
105 set MAVEN_PROJECTBASEDIR=%EXEC_DIR%
106 cd "%EXEC_DIR%"
107
108 :endDetectBaseDir
109
110 IF NOT EXIST "%MAVEN_PROJECTBASEDIR%\.\mvn\jvm.config"
    " goto endReadAdditionalConfig
111
112 @setlocal EnableExtensions EnableDelayedExpansion
113 for /F "usebackq delims=" %%a in ("%  
    MAVEN_PROJECTBASEDIR%\.\mvn\jvm.config") do set
        JVM_CONFIG_MAVEN_PROPS=!JVM_CONFIG_MAVEN_PROPS! %%a
114 @endlocal & set JVM_CONFIG_MAVEN_PROPS=%
        JVM_CONFIG_MAVEN_PROPS%
115
116 :endReadAdditionalConfig
117
118 SET MAVEN_JAVA_EXE="%JAVA_HOME%\bin\java.exe"
119 set WRAPPER_JAR="%MAVEN_PROJECTBASEDIR%\.\mvn\wrapper  
    \maven-wrapper.jar"
```

```

120 set WRAPPER_LAUNCHER=org.apache.maven.wrapper.
    MavenWrapperMain
121
122 set WRAPPER_URL="https://repo.maven.apache.org/
    maven2/org/apache/maven/wrapper/maven-wrapper/3.2.0/
    maven-wrapper-3.2.0.jar"
123
124 FOR /F "usebackq tokens=1,2 delims==" %%A IN ("%MAVEN_PROJECTBASEDIR%\.\mvn\wrapper\maven-wrapper.properties") DO (
125     IF "%%%A%"=="wrapperUrl" SET WRAPPER_URL=%%%B
126 )
127
128 @REM Extension to allow automatically downloading
    the maven-wrapper.jar from Maven-central
129 @REM This allows using the maven wrapper in projects
    that prohibit checking in binary data.
130 if exist %WRAPPER_JAR% (
131     if "%MVNW_VERBOSE%" == "true" (
132         echo Found %WRAPPER_JAR%
133     )
134 ) else (
135     if not "%MVNW_REPOURL%" == "" (
136         SET WRAPPER_URL="%MVNW_REPOURL%/org/apache/
            maven/wrapper/maven-wrapper/3.2.0/maven-wrapper-3.2.
            0.jar"
137     )
138     if "%MVNW_VERBOSE%" == "true" (
139         echo Couldn't find %WRAPPER_JAR%,
            downloading it ...
140         echo Downloading from: %WRAPPER_URL%
141     )
142
143     powershell -Command "&{`n
144         $webclient = new-object System.Net.
            WebClient;"`n
145         "if (-not ([string]::IsNullOrEmpty('%
            MVNW_USERNAME%') -and [string]::IsNullOrEmpty('%
            MVNW_PASSWORD%'))) {"`n
146             "$webclient.Credentials = new-object System.
                Net.NetworkCredential('%MVNW_USERNAME%', '%

```

```

146 MVNW_PASSWORD%');" ^
147     }" ^
148     "[Net.ServicePointManager]::SecurityProtocol
149     = [Net.SecurityProtocolType]::Tls12; $webclient.
150     DownloadFile('%WRAPPER_URL%', '%WRAPPER_JAR%')" ^
151     }"
152     if "%MVNW_VERBOSE%" == "true" (
153         echo Finished downloading %WRAPPER_JAR%
154     )
155
156 @REM End of extension
157
158 @REM If specified, validate the SHA-256 sum of the
159 Maven wrapper jar file
160 SET WRAPPER_SHA_256_SUM=""
161 FOR /F "usebackq tokens=1,2 delims==" %%A IN ("%MAVEN_PROJECTBASEDIR%\mvn\wrapper\maven-wrapper.properties") DO (
162     IF "%%%A"=="wrapperSha256Sum" SET
163     WRAPPER_SHA_256_SUM=%%%B
164 )
165 IF NOT %WRAPPER_SHA_256_SUM%=="" (
166     powershell -Command "&{`n
167         $hash = (Get-FileHash \"%WRAPPER_JAR%\" -Algorithm SHA256).Hash.ToLower();`n
168         If('%WRAPPER_SHA_256_SUM%' -ne $hash){`n
169             Write-Output 'Error: Failed to validate`n
170             Maven wrapper SHA-256, your Maven wrapper might be`n
171             compromised.';`n
172             Write-Output 'Investigate or delete %`n
173             WRAPPER_JAR% to attempt a clean download.';`n
174             Write-Output 'If you updated your Maven`n
175             version, you need to update the specified`n
176             wrapperSha256Sum property.';`n
177             exit 1;`n
178         }`n
179     }`n
180
181     if ERRORLEVEL 1 goto error
182 )
183
184 @REM Provide a "standardized" way to retrieve the

```

```
174 CLI args that will
175 @REM work with both Windows and non-Windows
   executions.
176 set MAVEN_CMD_LINE_ARGS=%*
177
178 %MAVEN_JAVA_EXE% ^
179   %JVM_CONFIG_MAVEN_PROPS% ^
180   %MAVEN_OPTS% ^
181   %MAVEN_DEBUG_OPTS% ^
182   -classpath %WRAPPER_JAR% ^
183   "-Dmaven.multiModuleProjectDirectory=%
      MAVEN_PROJECTBASEDIR%" ^
184   %WRAPPER_LAUNCHER% %MAVEN_CONFIG% %*
185 if ERRORLEVEL 1 goto error
186 goto end
187
188 :error
189 set ERROR_CODE=1
190
191 :end
192 @endlocal & set ERROR_CODE=%ERROR_CODE%
193
194 if not "%MAVEN_SKIP_RC%"=="" goto skipRcPost
195 @REM check for post script, once with legacy .bat
   ending and once with .cmd ending
196 if exist "%USERPROFILE%\mavenrc_post.bat" call "%
      USERPROFILE%\mavenrc_post.bat"
197 if exist "%USERPROFILE%\mavenrc_post.cmd" call "%
      USERPROFILE%\mavenrc_post.cmd"
198 :skipRcPost
199
200 @REM pause the script if MAVEN_BATCH_PAUSE is set to
   'on'
201 if "%MAVEN_BATCH_PAUSE%"=="on" pause
202
203 if "%MAVEN_TERMINATE_CMD%"=="on" exit %ERROR_CODE%
204
205 cmd /C exit /B %ERROR_CODE%
206
```

```
1 # Auto detect text files and perform LF normalization
2 * text=auto
3
```

```
1 package com.unicsul.ProjetoClienteServidor;
2
3 import org.springframework.boot.SpringApplication;
4 import org.springframework.boot.autoconfigure.
5   SpringBootApplication;
6
7 @SpringBootApplication
8 public class Main {
9   public static void main(String[] args) {
10     SpringApplication.run(Main.class, args);
11   }
12 }
```

```
1 package com.unicsul.ProjetoClienteServidor.controller
2 ;
3 import org.springframework.context.annotation.Bean;
4 import org.springframework.context.annotation.
5 Configuration;
6
7 @Configuration
8 public class Config {
9
10     @Bean (name = "chamada")
11     public String chamada(){
12         String chamada = "O IMC é 20.5";
13         return "Esse é o seu IMC";
14     }
15
16     @Bean (name = "appChamada")
17     public String appChamada(){
18         String app = "Seja bem vindo";
19         return "Seja muito bem-vindo";
20     }
21 }
22
```

```
1 package com.unicsul.ProjetoClienteServidor.controller
2 ;
3 import org.springframework.beans.factory.annotation.Autowired;
4 import org.springframework.beans.factory.annotation.Qualifier;
5 import org.springframework.stereotype.Controller;
6 import org.springframework.ui.ModelMap;
7 import org.springframework.web.bind.annotation.GetMapping;
8 import org.springframework.web.bind.annotation.PathVariable;
9 import org.springframework.web.bind.annotation.RequestMapping;
10 import java.text.DecimalFormat;
11
12 @Controller
13 @RequestMapping("/")
14 public class MediaController {
15
16     @Autowired
17     @Qualifier("chamada")
18     private String chamada;
19
20     @Autowired
21     @Qualifier("appChamada")
22     private String appChamada;
23
24     @GetMapping("/")
25     public String home(ModelMap model){
26         model.addAttribute("appChamada", appChamada);
27         return "home";
28     }
29
30     @GetMapping("/bemvindo/{nome}")
31     public String bemvindo(@PathVariable String nome
32     , ModelMap model){
33         model.addAttribute("nome", nome);
34         return "bemvindo";
35     }
```

```
35
36     @GetMapping("/imc/{notaA1}/{notaA2}")
37     public String calcularImc(@PathVariable double
38         notaA1, @PathVariable double notaA2, ModelMap model){
39         double imcFinal = (notaA1 / (notaA2*notaA2));
40         model.addAttribute("imcFinal", imcFinal);
41         model.addAttribute("chamada", chamada);
42         return "imc";
43         /*
44             acessar um localhost:8080 como /media/{nota-
45             da-a1}/{nota-da-a2}
46             */
47     }
48
49     @GetMapping("/raiz/{numero}")
50     public String calcularRaiz(@PathVariable double
51         numero, ModelMap model) {
52         double raiz = Math.sqrt(numero);
53         DecimalFormat df = new DecimalFormat("#.##"
54 ); // Formata para 2 casas decimais
55         String raizFormatada = df.format(raiz);
56         model.addAttribute("raiz", raizFormatada);
57         return "raiz";
58         /*
59             accesse localhost:8080 como /raiz/{numero}
60             para calcular a raiz de um
61             número.
62             */
63     }
64 }
```

```
1 server.port = 3500
```

```
2
```

```
1 <!DOCTYPE html>
2 <html lang="pt-br" xmlns:th="http://www.thymeleaf.org">
3   >
4     <head>
5       <meta charset="UTF-8">
6       <meta http-equiv="X-UA-Compatible" content="IE-
7         edge">
8       <meta name="viewport" content="width=device-width
9         , initial-scale=1.0">
10      <title>IMC</title>
11    </head>
12    <body>
13      <h1>O imc final é: <span th:text="${imcFinal}"></span></h1>
14
15      <p><b>Chamada:</b> <span th:text="${chamada}"></span></p>
16    </body>
17  </html>
```

```
1 <!DOCTYPE html>
2 <html lang="pt-br" xmlns:th="http://www.thymeleaf.org">
3   <head>
4     <meta charset="UTF-8">
5     <meta http-equiv="X-UA-Compatible" content="IE-edge">
6     <meta name="viewport" content="width=device-width, initial-scale=1.0">
7     <title>ProjetoCliente/Servidor</title>
8   </head>
9   <body>
10
11    <h1><span th:text="${appChamada}"></span></h1>
12
13    <h2>Home</h2>
14    <h3>Integrantes</h3>
15    <ul>
16      <li>Nome: <b>Gabriel Chaves Medeiro</b> ||
17      RGM: <b>29751161</b></li>
18      <li>Nome: <b>Guilherme Koga Pereira</b> ||
19      RGM: <b>29678056</b></li>
20      <li>Nome: <b>Lucas do Santos Antunes</b> ||
21      RGM: <b>29682231</b></li>
22    </ul><br>
23    <b>Link do github: </b><a href="https://github.com/GCMedeiro/ProjetoClienteServidor.git">
24      LinkDoRepositorio</a>
25    <h2>Projeto Cliente Servidor</h2>
26    <p>Neste projeto utilizamos de recursos do spring para criação de 3 rotas + página home no endereço "localhost:3500 "</p><br>
27    <h3>Como usar as rotas</h3>
28    <h4>Rota bemvindo</h4>
29    <p>Para utilização da rota bemvindo basta acessar do localhost e adicionar a rota "/bemvindo" e passar um parametro pela barra de endereço com o seu nome.</p>
30    <p><b>Exemplo:</b> localhost:3500/bemvindo/(seu_nome)</p>
31    <br>
```

```
28    <h4>Rota de IMC</h4>
29    <p>Para utilização da rota de IMC, basta colocar
     o valor do peso em kg e o valor em da altura em
     metros, acessar localhost e adicionar a rota "/imc" e
     adicionar duas notas.</p>
30    <p><b>Exemplo:</b> localhost:3500/imc/(peso)/(
     altura)</p>
31    <br>
32    <h4>Rota de Raíz</h4>
33    <p>Para utilizar a rota de calculo da raiz,
     acesse localhost e adicione a rota "/raiz" e ao lado
     o número que deseja realizar a conta.</p>
34    <p><b>Exemplo:</b> localhost:3500/raiz/(numero)</
     p>
35
36
37 <!-- Inserir a mensagem da configuração no HTML -->
38 </body>
39 </html>
40
```

```
1 <!DOCTYPE html>
2 <html lang="pt-br" xmlns:th="http://www.thymeleaf.org">
3   <head>
4     <meta charset="UTF-8">
5     <meta http-equiv="X-UA-Compatible" content="IE-
6       edge">
7     <meta name="viewport" content="width=device-width
8       , initial-scale=1.0">
9     <title>Raiz</title>
10    <h1>A raiz é: <span th:text="${raiz}"></span></h1>
11  </body>
12 </html>
```

```
1 <!DOCTYPE html>
2 <html lang="pt-br" xmlns:th="http://www.thymeleaf.org">
3 <head>
4     <meta charset="UTF-8">
5     <meta http-equiv="X-UA-Compatible" content="IE-edge">
6     <meta name="viewport" content="width=device-width, initial-scale=1.0">
7     <title>Bem Vindo</title>
8 </head>
9 <body>
10    <h1 th:text="`Seja bem vindo, ' + ${nome}`"></h1>
11 </body>
12 </html>
13
14
```

```
1 package com.unicsul.ProjetoClienteServidor;
2
3 import org.junit.jupiter.api.Test;
4 import org.springframework.boot.test.context.
5 SpringBootTest;
6
7 @SpringBootTest
8 class ProjetoNotaApplicationTests {
9
10     @Test
11     void contextLoads() {
12
13 }
14
```

```
1 server.port = 3500
```

```
2
```

```
1 //
2 // Source code recreated from a .class file by
3 // IntelliJ IDEA
4 // (powered by FernFlower decompiler)
5
6 package com.unicsul.ProjetoClienteServidor;
7
8 import org.springframework.boot.SpringApplication;
9 import org.springframework.boot.autoconfigure.
SpringBootApplication;
10
11 @SpringBootApplication
12 public class Main {
13     public Main() {
14     }
15
16     public static void main(String[] args) {
17         SpringApplication.run(Main.class, args);
18     }
19 }
20
```

```
1 //  
2 // Source code recreated from a .class file by  
3 // IntelliJ IDEA  
4 // (powered by FernFlower decompiler)  
5  
6 package com.unicsul.ProjetoClienteServidor.controller;  
7  
8 import org.springframework.context.annotation.Bean;  
9 import org.springframework.context.annotation.  
Configuration;  
10  
11 @Configuration  
12 public class Config {  
13     public Config() {  
14         }  
15  
16     @Bean(  
17         name = {"chamada"}  
18     )  
19     public String chamada() {  
20         String chamada = "O IMC é 20.5";  
21         return "Esse é o seu IMC";  
22     }  
23  
24     @Bean(  
25         name = {"appChamada"}  
26     )  
27     public String appChamada() {  
28         String app = "Seja bem vindo";  
29         return "Seja muito bem-vindo";  
30     }  
31 }  
32
```

```
1 //  
2 // Source code recreated from a .class file by  
3 // IntelliJ IDEA  
4 // (powered by FernFlower decompiler)  
5 //  
6 package com.unicsul.ProjetoClienteServidor.controller;  
7  
8 import java.text.DecimalFormat;  
9 import org.springframework.beans.factory.annotation.Autowired;  
10 import org.springframework.beans.factory.annotation.Qualifier;  
11 import org.springframework.stereotype.Controller;  
12 import org.springframework.ui.ModelMap;  
13 import org.springframework.web.bind.annotation.GetMapping;  
14 import org.springframework.web.bind.annotation.PathVariable;  
15 import org.springframework.web.bind.annotation.RequestMapping;  
16  
17 @Controller  
18 @RequestMapping({"/"})  
19 public class MediaController {  
20     @Autowired  
21     @Qualifier("chamada")  
22     private String chamada;  
23     @Autowired  
24     @Qualifier("appChamada")  
25     private String appChamada;  
26  
27     public MediaController() {  
28     }  
29  
30     @GetMapping({"/"})  
31     public String home(ModelMap model) {  
32         model.addAttribute("appChamada", this.  
            appChamada);  
33         return "home";  
}
```

```
34      }
35
36      @GetMapping({"/bemvindo/{nome}"})
37      public String bemvindo(@PathVariable String nome
38          , ModelMap model) {
39          model.addAttribute("nome", nome);
40          return "bemvindo";
41      }
42
43      @GetMapping({"/imc/{notaA1}/{notaA2}"})
44      public String calcularImc(@PathVariable double
45          notaA1, @PathVariable double notaA2, ModelMap model
46      ) {
47          double imcFinal = notaA1 / (notaA2 * notaA2);
48          model.addAttribute("imcFinal", imcFinal);
49          model.addAttribute("chamada", this.chamada);
50          return "imc";
51      }
52
53      @GetMapping({"/raiz/{numero}"})
54      public String calcularRaiz(@PathVariable double
55          numero, ModelMap model) {
56          double raiz = Math.sqrt(numero);
57          DecimalFormat df = new DecimalFormat("#.##");
58          String raizFormatada = df.format(raiz);
59          model.addAttribute("raiz", raizFormatada);
60          return "raiz";
61      }
62
63 }
```

```
1 <!DOCTYPE html>
2 <html lang="pt-br" xmlns:th="http://www.thymeleaf.org">
3   <head>
4     <meta charset="UTF-8">
5     <meta http-equiv="X-UA-Compatible" content="IE-
6       edge">
7     <meta name="viewport" content="width=device-width
8       , initial-scale=1.0">
9     <title>IMC</title>
10    <h1>O imc final é: <span th:text="${imcFinal}"></span>
11    </h1>
12    <!-- Inserir a mensagem da configuração no HTML -->
13    <p><b>Chamada:</b> <span th:text="${chamada}"></span>
14    </p>
15  </body>
16 </html>
```

```
1 <!DOCTYPE html>
2 <html lang="pt-br" xmlns:th="http://www.thymeleaf.org">
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5     <meta http-equiv="X-UA-Compatible" content="IE-edge">
6     <meta name="viewport" content="width=device-width, initial-scale=1.0">
7     <title>ProjetoCliente/Servidor</title>
8   </head>
9   <body>
10
11    <h1><span th:text="${appChamada}"></span></h1>
12
13    <h2>Home</h2>
14    <h3>Integrantes</h3>
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19      RGM: <b>29678056</b></li>
20      <li>Nome: <b>Lucas do Santos Antunes</b> ||
21      RGM: <b>29682231</b></li>
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30    <p><b>Exemplo:</b> localhost:3500/bemvindo/(seu_nome)</p>
31    <br>
```

```
28    <h4>Rota de IMC</h4>
29    <p>Para utilização da rota de IMC, basta colocar
      o valor do peso em kg e o valor em da altura em
      metros, acessar localhost e adicionar a rota "/imc" e
      adicionar duas notas.</p>
30    <p><b>Exemplo:</b> localhost:3500/imc/(peso)/(
      altura)</p>
31    <br>
32    <h4>Rota de Raíz</h4>
33    <p>Para utilizar a rota de calculo da raiz,
      acesse localhost e adicione a rota "/raiz" e ao lado
      o número que deseja realizar a conta.</p>
34    <p><b>Exemplo:</b> localhost:3500/raiz/(numero)</
      p>
35
36
37 <!-- Inserir a mensagem da configuração no HTML -->
38 </body>
39 </html>
40
```

```
1 <!DOCTYPE html>
2 <html lang="pt-br" xmlns:th="http://www.thymeleaf.org">
3   <head>
4     <meta charset="UTF-8">
5     <meta http-equiv="X-UA-Compatible" content="IE-
6       edge">
7     <meta name="viewport" content="width=device-width
8       , initial-scale=1.0">
9     <title>Raiz</title>
10    <h1>A raiz é: <span th:text="${raiz}"></span></h1>
11  </body>
12 </html>
```

```
1 <!DOCTYPE html>
2 <html lang="pt-br" xmlns:th="http://www.thymeleaf.org">
3 <head>
4     <meta charset="UTF-8">
5     <meta http-equiv="X-UA-Compatible" content="IE-edge">
6     <meta name="viewport" content="width=device-width, initial-scale=1.0">
7     <title>Bem Vindo</title>
8 </head>
9 <body>
10    <h1 th:text="`Seja bem vindo, ' + ${nome}`"></h1>
11 </body>
12 </html>
13
14
```

```
1 {  
2     "java.compile.nullAnalysis.mode": "automatic"  
3 }
```