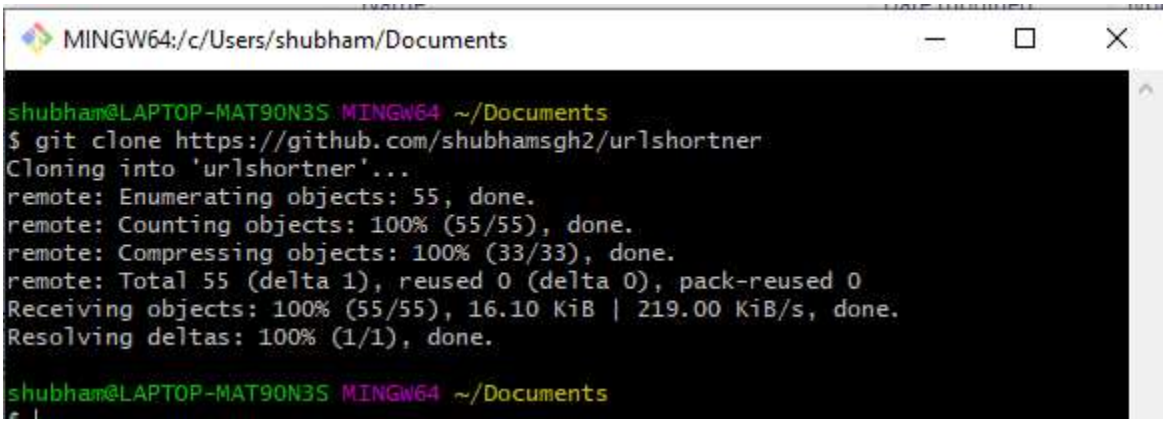
Steps to Run:

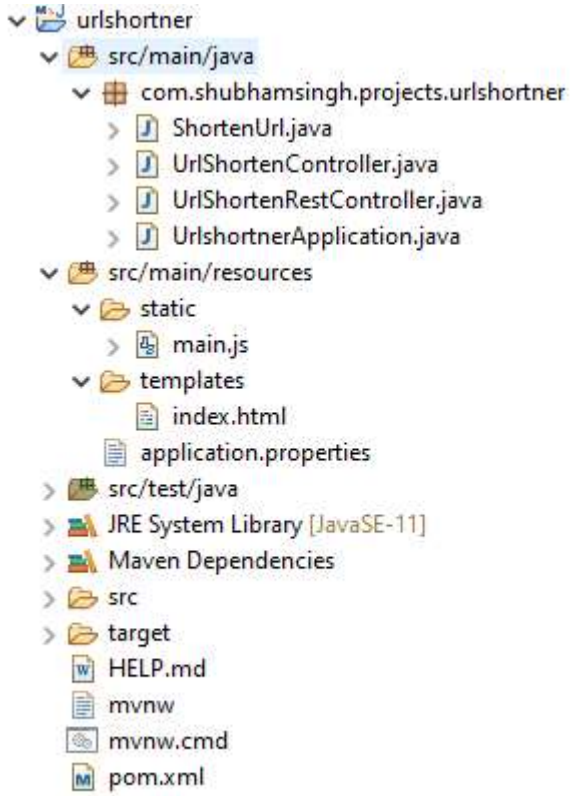
1) Clone the git repository via below command

```
git clone https://github.com/shubhamsgh2/urlshortner
```



2) Upon Successfully cloned into our system , We have to import this maven project in eclipse or any other IDE

3) After successfully importing the project into IDE, project structure will look like this.



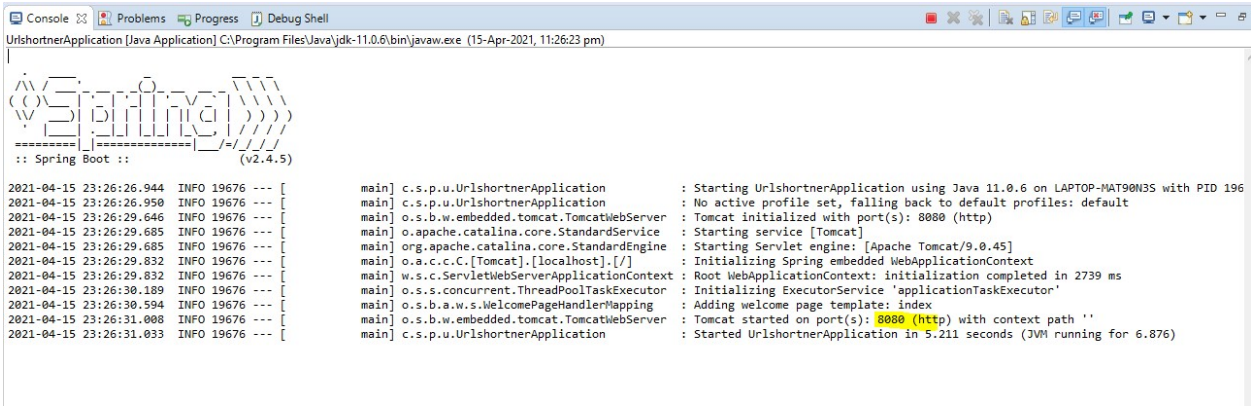
4) After Importing, we have to build or update our maven to include our dependencies.
   To do that you can right click on our project> Maven > Update Project > Click OK

   Wait for some time; it takes few minutes to download maven dependencies depending on ISP speed.
5) Once our Project is updated you can run our Java Main file.

   If you're using Eclipse , To find the main class press "CTRL+SHIFT+R" and put `UrlshortnerApplication.java`

   If you're using some other IDE, find the main class here /urlshortner/src/main/java/com/shubhamsingh/projects/urlshortner/UrlshortnerApplication.java

   Run the main class by right click on the `UrlshortnerApplication.java` class >> Run As>> Java Program
6) Wait for some time, it will initiate tomcat server to deploy
7) On the console you can find the port on which it is deployed.

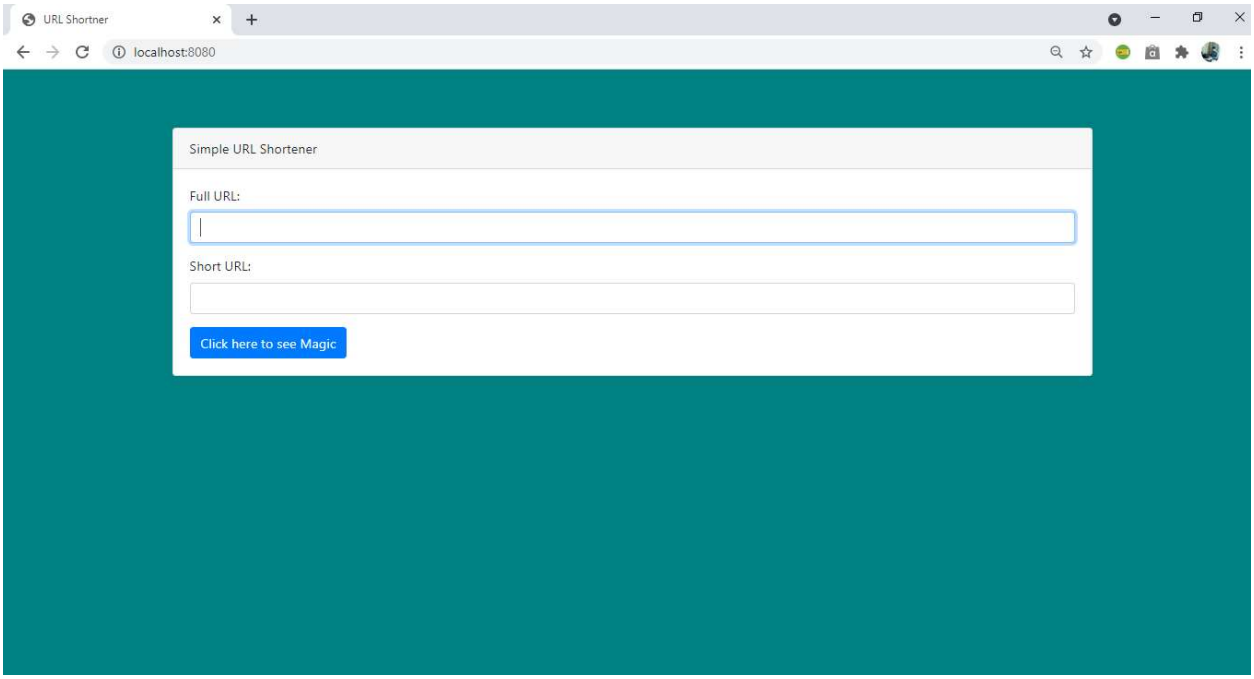


   To access my application you can browse in chrome or edge via this link- http://localhost:8080/

Demonstration of Feature:

To access an application you can browse in chrome or edge via this link- http://localhost:8080/

Main Page will be as shown below.



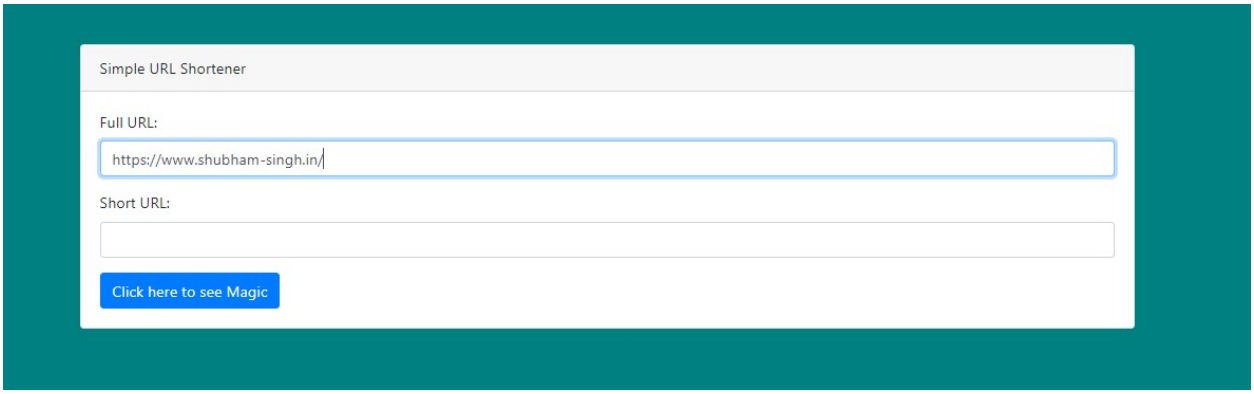
It will ask for the Full Url for an input.

Once we have put the full url we have to click the Magic button(pun intended ::D) to get the Short URL.

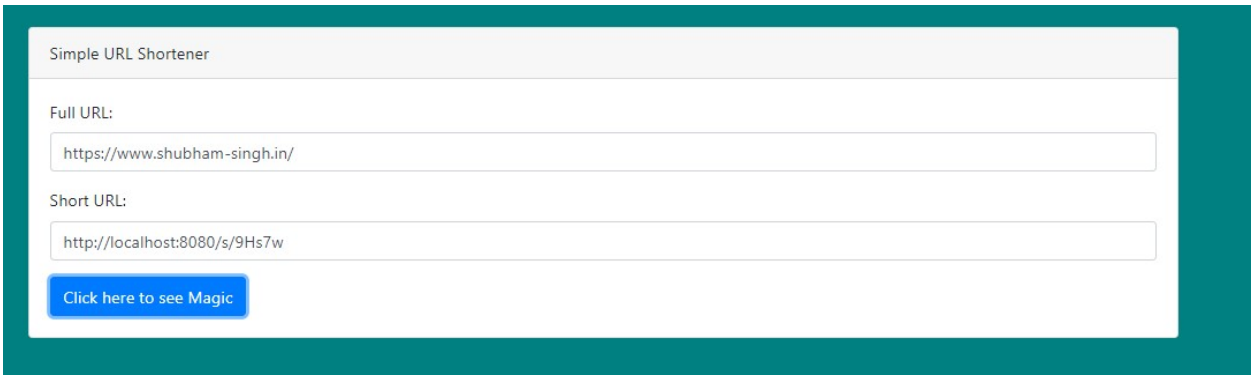
Let's illustrate with an example.

Let's say I have to shorten the following link: https://www.shubham-singh.in/

1) I'll input my link into Full URL text field as shown below.

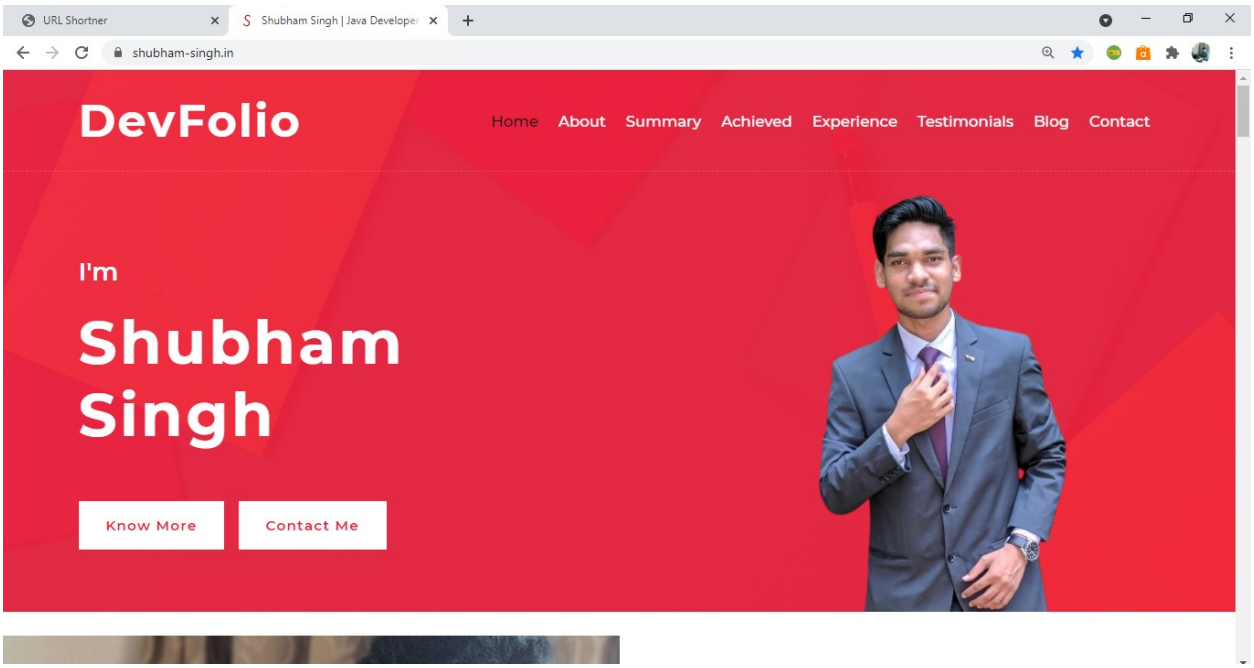


2) Now Click our Magic button :D to generate our short URL
Once you click Magic Button, Short URL will appear in the textbox as shown below



3) Now copy this short URL and check in browser whether it is redirecting to Full Url or not.

Yaay… It DID!



You can try your own link as well.

Try and see the magic of this feature! ☺