



Spartacus Training

Day 2

Let start from where we have left.

- ☐ Have you all installed Node and Angular?
- ☐ Have you all run your first Angular Application??
- ☐ Have you completed the given exercise???



Adding Spartacus in our application

Currently the latest Spartacus version is 4^. But we are going to work with 3^.

Lets add Spartacus in our application

<https://sap.github.io/spartacus-docs/building-the-spartacus-storefront-from-libraries-4-x/>

Setting Up Your Project Using Schematics

Run the following command to install the latest official release of Spartacus using schematics:

ng add @spartacus/schematics

We are not using @latest since we don't want to install latest summary



Check the final outcome!

Change the baseUrl with working URL.

<https://spartacus-demo.eastus.cloudapp.azure.com:8443>

Open <http://localhost:4200>

Check the outcome.











Life Cycle hooks in angular

constructor
ngOnChanges
ngOnInit
ngDoCheck
ngAfterContentInit
ngAfterContentChecked
ngAfterViewInit
ngAfterViewChecked
ngOnDestroy

- ❑ **ngOnChanges** – When the value of a data bound property changes, then this method is called.
- ❑ **ngOnInit** – This is called whenever the initialization of the directive/component after Angular first displays the data-bound properties happens.
- ❑ **ngDoCheck** – This is for the detection and to act on changes that Angular can't or won't detect on its own.
- ❑ **ngAfterContentInit** – This is called in response after Angular projects external content into the component's view.
- ❑ **ngAfterContentChecked** – This is called in response after Angular checks the content projected into the component.
- ❑ **ngAfterViewInit** – This is called in response after Angular initializes the component's views and child views.
- ❑ **ngAfterViewChecked** – This is called in response after Angular checks the component's views and child views.
- ❑ **ngOnDestroy** – This is the cleanup phase just before Angular destroys the directive/component.

Spartacus Modules

 <u>441 Modules</u>	 308 Components	 32 Directives	 626 Injectables
 12 Pipes	 741 Classes	 18 Guards	 804 Interfaces

<https://sap.github.io/spartacus/overview.html>

We are using Spartacus 3^ version so the number of modules will be different in this case.

Exercise.. Yay!

1. Print something in every lifecycle hook.
2. Create an array of weekdays and traverse through it. You can use js array methods. (Map, reduce, etc)
3. Create an object name student with attributes name, class, subjects, roll no
 student : {
 name: string,
 class: number,
 subjects: array of strings,
 roll_no: string
 }
}
4. Print each and every property of student.
5. Print the same student details on webpage. Extra marks for Creativity.
6. Make Array of students and print it on webpage.
7. Make a button and on click on click of it print your name.

Why this exercise!!!

We all need to understand at least the basics of html, css and js. Which we might not cover as the part of session.

Lets complete this and from tomorrow we are going to make changes in Spartacus and we will have exercises revolving that.

Lets start with *outlets*.



The image features a dark blue background with four decorative geometric patterns in the corners. The top-right corner has a teal diamond grid pattern. The bottom-left corner has a teal stepped line pattern. The bottom-right corner has a teal zigzag line pattern. The top-left corner is empty.

Thank you !
