

Pipes Lab

Using built-in pipes

1. No offense, but your dates are ugly. Look at your list of orders either in the dashboard or in orders to ship. You can also see some ugly dates in ship order.
2. All of these can be improved by piping the date through the date pipe. Go ahead and do that now, choosing whatever formats you think are best.
3. Run and test. When the dates are looking good, you can move on.

A custom location pipe

To make it easier on our new and temp warehouse workers we should decipher the locationID. We're going to create a custom pipe to do that. The locationID has the format **AABSI** where

AA	is the	Aisle
B	is the	Bay
S	is the	Shelf
I	is the	Bin

First, let's see how the pipe will be used before we create it.

4. Open your ShipOrderComponent in an IDE. In the template, find where you're displaying the location. Add a pipe right after it:
`{{ line.locationID | location }}`
5. Run and test. Angular complains about the location pipe not existing.
6. Create a new pipe called "location"
`ng generate pipe shared/location`
7. In that pipe you have a transform function that will receive a string ... the locationID. You want it to return a string in this format:
Aisle AA, Bay B, Shelf S, Bin I
8. Write that, then tune it until it is working.
9. And once you've got it working well, let's reuse it! Open your receive-product.component.html page and implement it there also.
10. Oh darn! You'll notice that if the locationID is "Any open slot" that it gets messed up. Change your location.pipe.ts to only transform the ID if it matches the format above.

When you've got it working in all cases, you can move on.

Make a ship via custom pipe

Notice that on the ShipOrder component there is a ship via property being bound. We'd like that to display the name of the shipper rather than the raw number.

11. Create a new pipe called shipVia. It should translate as follows:

Ship via	Shipper name
1	Federal Express
2	UPS
3	US Postal Service

12. Your goal will be to do an interpolation like this `{{ order.shipVia | shipVia }}` and have the name of the shipper be displayed.

13. Go ahead and implement it in the ship order component. Once you can see a different shipper for various shipvia values you can be finished.