* 1. Suppose one department in the hardware shop cannot have more than 100 different products. Create a department struct that must have its name, manager in charge and allocation for 100 products. For each product they need to store productID (barcode), description and unit price.

* 1. Instantiate a *department struct* for “Tiles Department” which has bathroom tiles (product id = T1001, unit price = $1.50) and floor tiles (product id = T1002, unit price = $5.00). The manager in charge is John Dew whose ID is D35988.