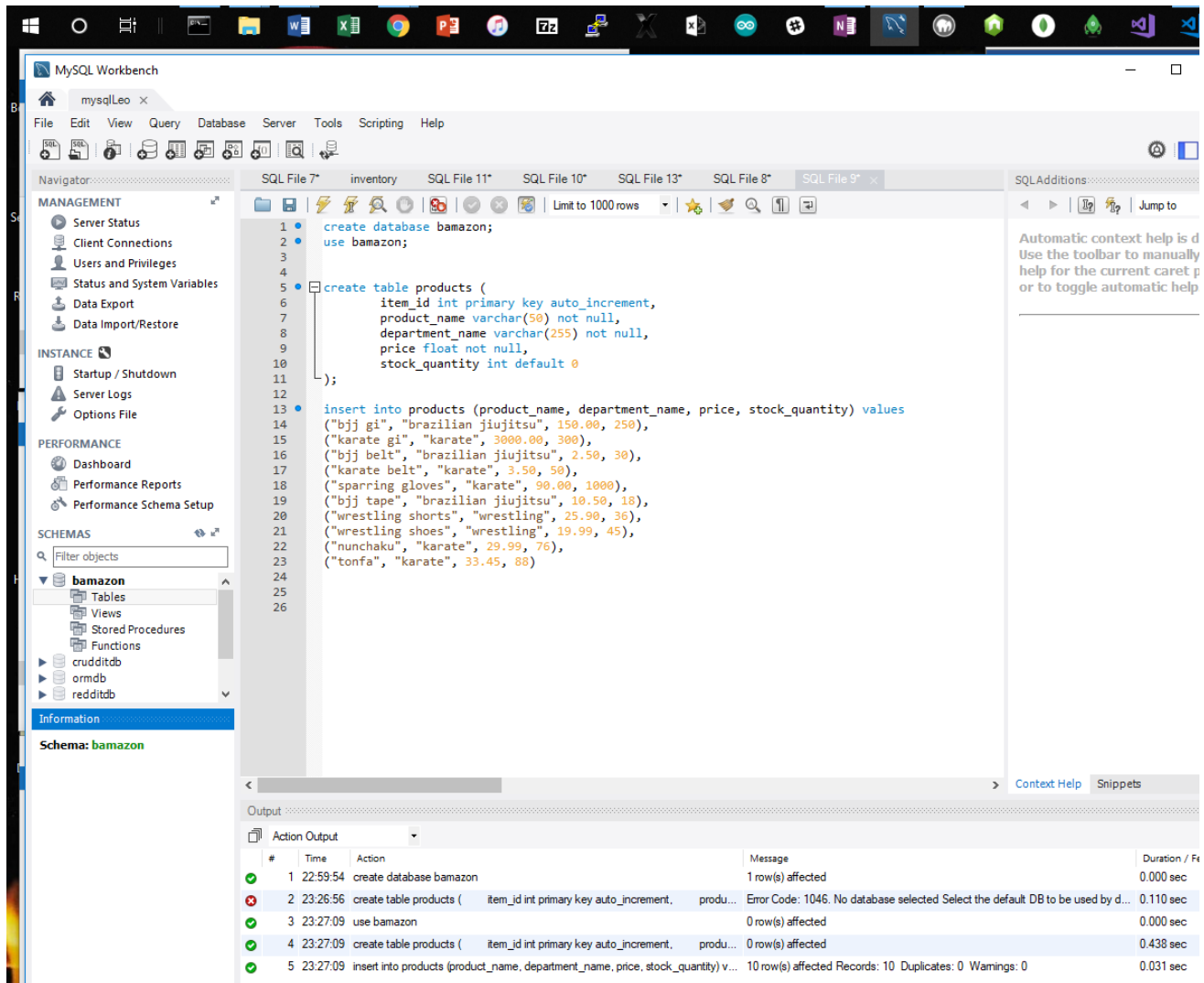# HOMEWORK: node.js and mySQL

INTRODUCTION:

BAMAZON is an Amazon-like storefront with node.js and mySQL.

The app will take in orders from customers and deplete stock from the store's inventory.
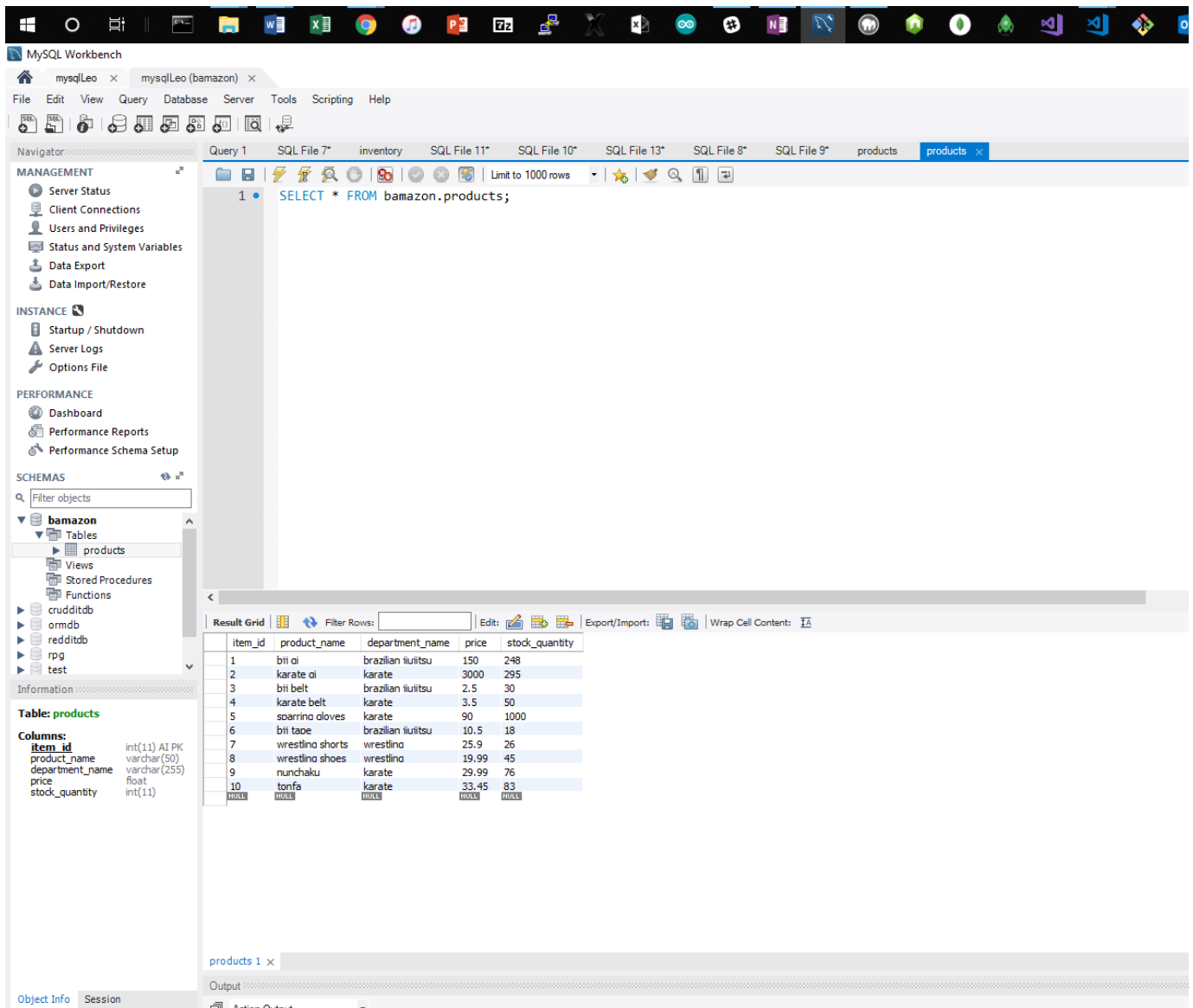
SCREENSHOTS:

SCREENSHOT 1:

- Shows below the database set up on mySQL workbench. Includes "bamazon" database and table "products"

SCREENSHOT 2:

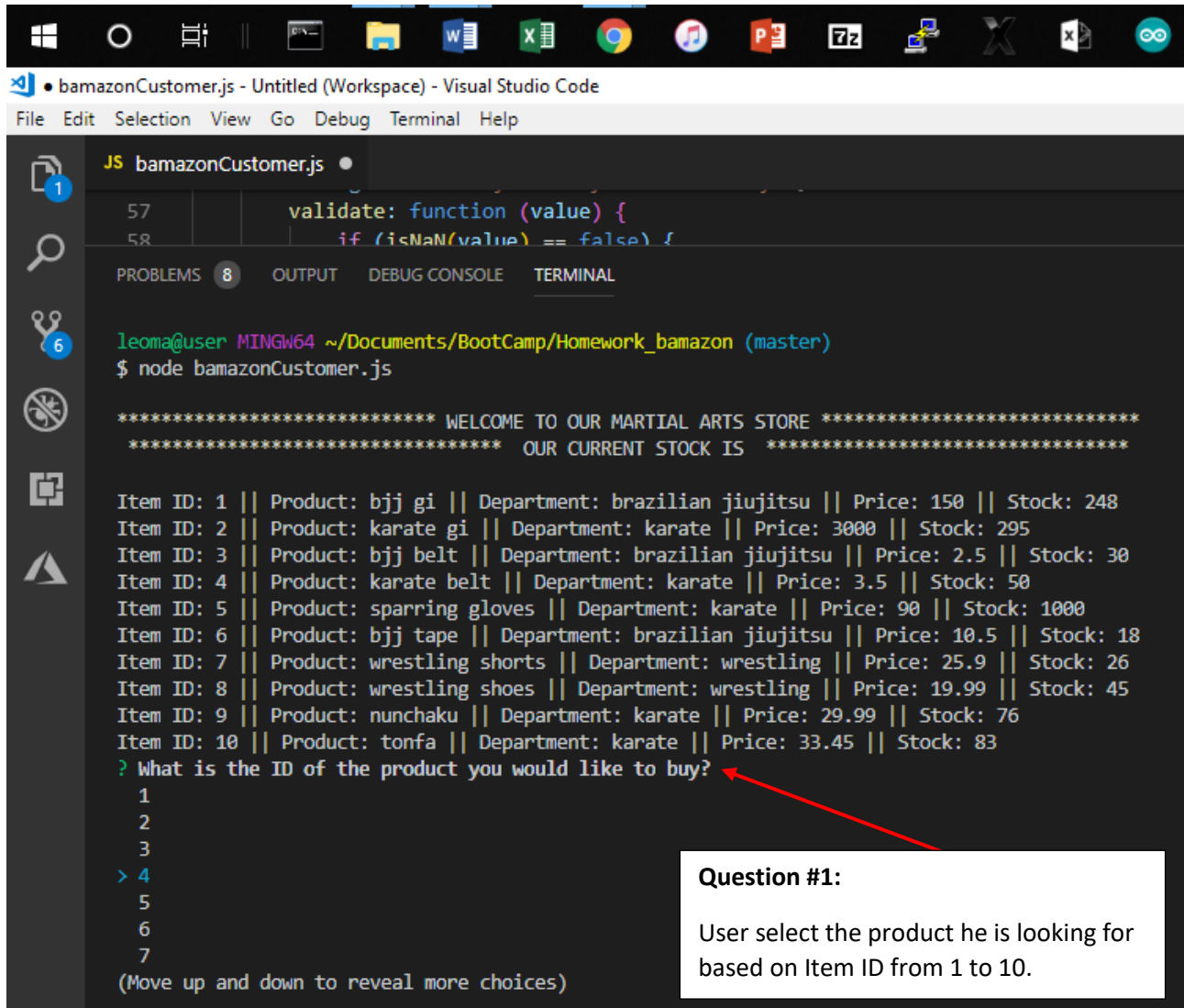- Shows below the database set up with 10 products as per instructions.

SCREENSHOT 3:

- After you run node bamazonCustomers.js or npm start, the app displays welcome message, existing stock and ask the first quesiton regarding which product you'd like to purchase. Customer has 10 options to choose based on Product ID (node you see 7 products, but as you scroll down, the list goes up to 10 items).


```
JS bamazonCustomer.js ●
57              validate: function (value) {
58                  if (isNaN(value) == false) {

PROBLEMS 8    OUTPUT   DEBUG CONSOLE   TERMINAL

leoma@user MINGW64 ~/Documents/BootCamp/Homework_bamazon (master)
$ node bamazonCustomer.js

***************************** WELCOME TO OUR MARTIAL ARTS STORE *****************************
*****************************    OUR CURRENT STOCK IS   *****************************

Item ID: 1 || Product: bjj gi || Department: brazilian jiujitsu || Price: 150 || Stock: 248
Item ID: 2 || Product: karate gi || Department: karate || Price: 3000 || Stock: 295
Item ID: 3 || Product: bjj belt || Department: brazilian jiujitsu || Price: 2.5 || Stock: 30
Item ID: 4 || Product: karate belt || Department: karate || Price: 3.5 || Stock: 50
Item ID: 5 || Product: sparring gloves || Department: karate || Price: 90 || Stock: 1000
Item ID: 6 || Product: bjj tape || Department: brazilian jiujitsu || Price: 10.5 || Stock: 18
Item ID: 7 || Product: wrestling shorts || Department: wrestling || Price: 25.9 || Stock: 26
Item ID: 8 || Product: wrestling shoes || Department: wrestling || Price: 19.99 || Stock: 45
Item ID: 9 || Product: nunchaku || Department: karate || Price: 29.99 || Stock: 76
Item ID: 10 || Product: tonfa || Department: karate || Price: 33.45 || Stock: 83
? What is the ID of the product you would like to buy?
  1
  2
  3
> 4
  5
  6
  7
(Move up and down to reveal more choices)
```

Question #1:

User select the product he is looking for based on Item ID from 1 to 10.

SCREENSHOT 4:

- Shows below the database set up on mySQL workbench. Includes "bamazon" database and table "products"

Question #2:

1. User provides the quantity he wants to purchase.

2. App alerts the customer if he tries to buy more than what is avaible in stock.

3. App confirms quantity available in stock

4. App confirms the order, privides TOTAL PRICE

5. App updates the stock

Stock gets updated:

Note updated stock from 26 to 16 after order has been processed.

The screenshot shows a Visual Studio Code terminal:

```
leoma@user MINGW64 ~/Documents/BootCamp/Homework_bamazon (master)
$ node bamazonCustomer.js

**************************** WELCOME TO OUR MARTIAL ARTS STORE ****************************
******************************* OUR CURRENT STOCK IS ******************************

Item ID: 1 || Product: bjj gi || Department: brazilian jiujitsu || Price: 150 || Stock: 248
Item ID: 2 || Product: karate gi || Department: karate || Price: 3000 || Stock: 295
Item ID: 3 || Product: bjj belt || Department: brazilian jiujitsu || Price: 2.5 || Stock: 30
Item ID: 4 || Product: karate belt || Department: karate || Price: 3.5 || Stock: 50
Item ID: 5 || Product: sparring gloves || Department: karate || Price: 90 || Stock: 1000
Item ID: 6 || Product: bjj tape || Department: brazilian jiujitsu || Price: 10.5 || Stock: 18
Item ID: 7 || Product: wrestling shorts || Department: wrestling || Price: 25.9 || Stock: 26
Item ID: 8 || Product: wrestling shoes || Department: wrestling || Price: 19.99 || Stock: 45
Item ID: 9 || Product: nunchaku || Department: karate || Price: 29.99 || Stock: 76
Item ID: 10 || Product: tonfa || Department: karate || Price: 33.45 || Stock: 83
? What is the ID of the product you would like to buy? 7
? How many would you like to buy? 10

We currently have 26 of wrestling shorts.

CONGRATULATIONS! Your order of 10 wrestling shorts is now being processed... The total price is $259 .

The updated stock of product id #7: wrestling shorts is 16.

*********************************** ONEGAISHIMASU ************************************
******************************* OUR CURRENT STOCK IS ******************************

Item ID: 1 || Product: bjj gi || Department: brazilian jiujitsu || Price: 150 || Stock: 248
Item ID: 2 || Product: karate gi || Department: karate || Price: 3000 || Stock: 295
Item ID: 3 || Product: bjj belt || Department: brazilian jiujitsu || Price: 2.5 || Stock: 30
Item ID: 4 || Product: karate belt || Department: karate || Price: 3.5 || Stock: 50
Item ID: 5 || Product: sparring gloves || Department: karate || Price: 90 || Stock: 1000
Item ID: 6 || Product: bjj tape || Department: brazilian jiujitsu || Price: 10.5 || Stock: 18
Item ID: 7 || Product: wrestling shorts || Department: wrestling || Price: 25.9 || Stock: 16
Item ID: 8 || Product: wrestling shoes || Department: wrestling || Price: 19.99 || Stock: 45
Item ID: 9 || Product: nunchaku || Department: karate || Price: 29.99 || Stock: 76
Item ID: 10 || Product: tonfa || Department: karate || Price: 33.45 || Stock: 83
? What is the ID of the product you would like to buy? (Use arrow keys)
```

SCREENSHOT 5:

Stock gets updated on mySQL:

Note updated stock from 26 to 16 on the mySQL db.

item_id	product_name	department_name	price	stock_quantity
1	bjj gi	brazilian jiujitsu	150	248
2	karate gi	karate	3000	295
3	bjj belt	brazilian jiujitsu	2.5	30
4	karate belt	karate	3.5	50
5	sparring gloves	karate	90	1000
6	bjj tape	brazilian jiujitsu	10.5	18
7	wrestling shorts	wrestling	25.9	16
8	wrestling shoes	wrestling	19.99	45
9	nunchaku	karate	29.99	76
10	tonfa	karate	33.45	83
NULL	NULL	NULL	NULL	NULL

```
1   SELECT * FROM bamazon.products;
```

SCREENSHOT 6: