

hw12-mysql-bamazon

Saturday, February 16, 2019

8:22 PM

Execute

```
node bamazon.js
```

```

hw12-mysql-bamazon — -bash — 95x28
COMPLETED: Sat Feb 16 @ 20:25:28

/Users/macOS_highsierra_ss/git/hw12-mysql-bamazon
$node bamazon.js
checkQuantity, productName);

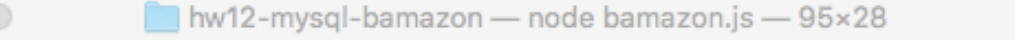
ts

view inventory and make another purchase.',

```

Inventory populates with random prices and quantities (from predetermined limits

User is provided with list of items they can purchase

A terminal window with a dark background. The title bar at the top shows three window control buttons (red, yellow, green) on the left, a blue folder icon, and the text "hw12-mysql-bamazon — node bamazon.js — 95x28". The terminal content shows the output of a Node.js application: "WELCOME TO BAMAZON!" followed by a blank line, and then "We have the BEST selection of Javascript variables AND functions!!!".

```
WELCOME TO BAMAZON!  
  
We have the BEST selection of  
Javascript variables AND functions!!!
```

```

ID(1) boolean variables --- $5.91 --- (ONLY 88 LEFT)
ID(2) number variables --- $7.86 --- (ONLY 40 LEFT)
ID(3) string variables --- $6.54 --- (ONLY 44 LEFT)
ID(4) array variables --- $1.1 --- (ONLY 28 LEFT)
ID(5) object variables --- $4.48 --- (ONLY 83 LEFT)
ID(6) undefined variables --- $3.4 --- (ONLY 61 LEFT)
ID(7) callback functions --- $5.62 --- (ONLY 24 LEFT)
ID(8) closure functions --- $4.93 --- (ONLY 39 LEFT)
ID(9) promise functions --- $5.35 --- (ONLY 64 LEFT)
ID(10) recursion functions --- $8.76 --- (ONLY 61 LEFT)
?
From the inventory above, what product would you like to order?

1) boolean variables
2) number variables
3) string variables
4) array variables
5) object variables
6) undefined variables
(Move up and down to reveal more choices)
Answer: 

```

Incorrect entries are prevented by data validation

```

hw12-mysql-bamazon — node bamazon.js — 95x28

WELCOME TO BAMAZON!

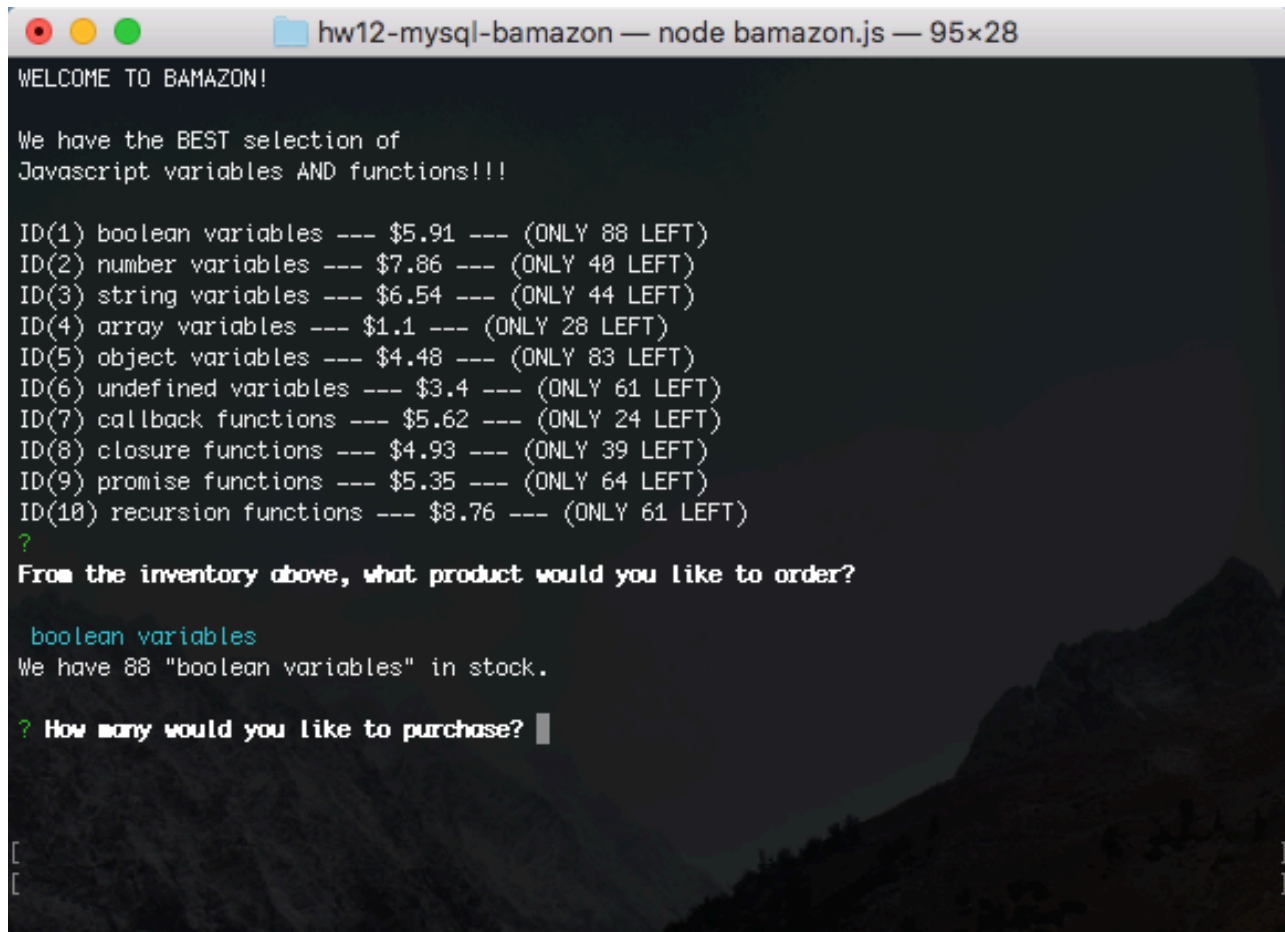
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From the inventory above, what product would you like to order?

1) boolean variables
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(Move up and down to reveal more choices)
[ Answer:  ]
>> Please enter a valid index

```

Here, we chose item 1 and we're asked how many we want from the 88 available



```
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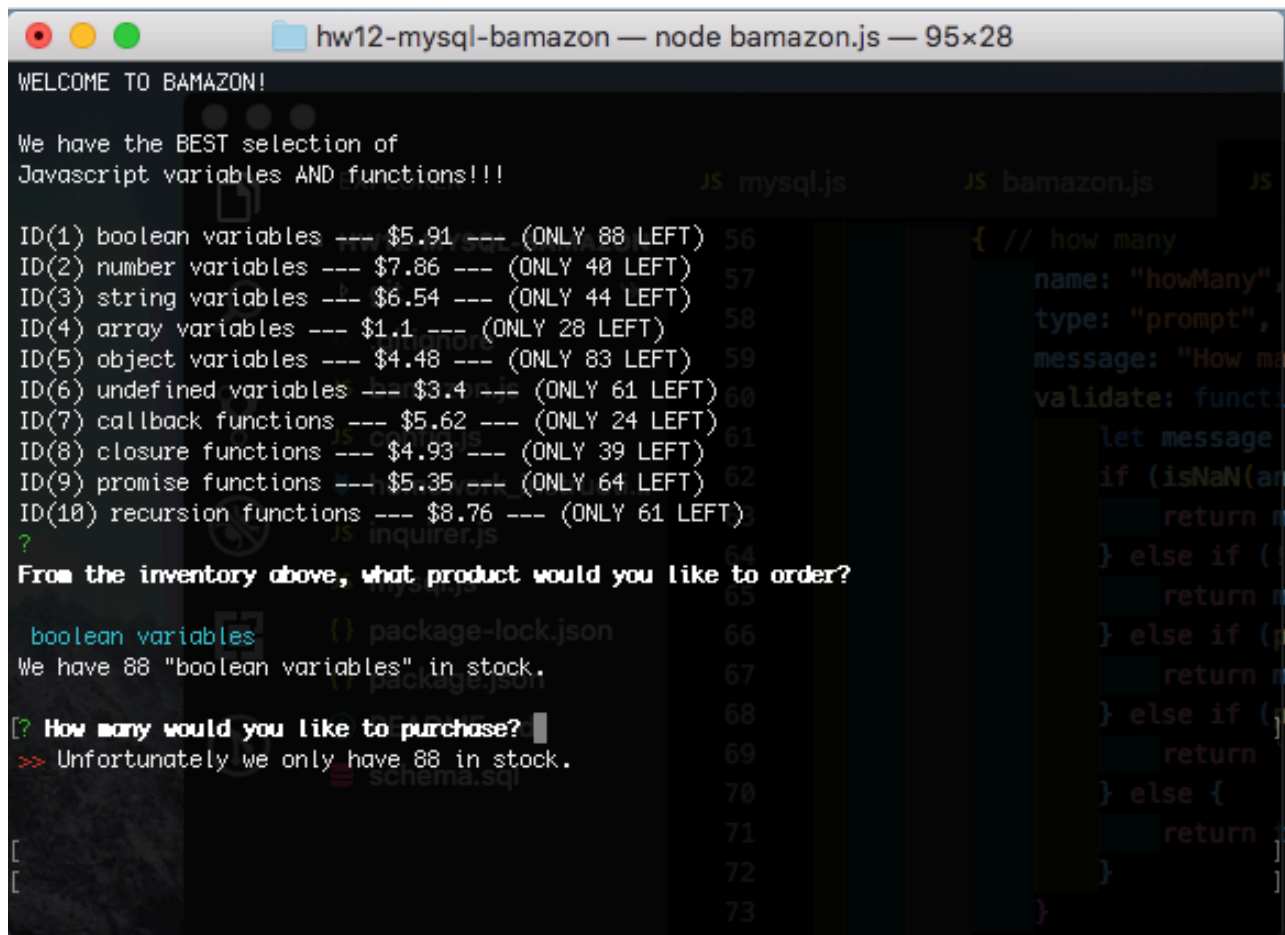
boolean variables
We have 88 "boolean variables" in stock.

? How many would you like to purchase? █
```

Several validations prevent character entries, negative entries, decimals, and numbers less than the total available

```
{ // how many
  name: "howMany",
  type: "prompt",
  message: "How many would you like to purchase?",
  validate: function (answer) {
    let message = `${answer} is not a positive whole number < ${stockQuantity}`;
    if (isNaN(answer)) {
      return message;
    } else if (!Number.isInteger(parseFloat(answer))) {
      return message;
    } else if (parseInt(answer) < 1) {
      return message;
    } else if (parseInt(answer) > stockQuantity) {
      return `Unfortunately we only have ${stockQuantity} in stock.`;
    } else {
      return true;
    }
  }
}
```

A request for 89 reports that we only have 88 available



```
WELCOME TO BAMAZON!

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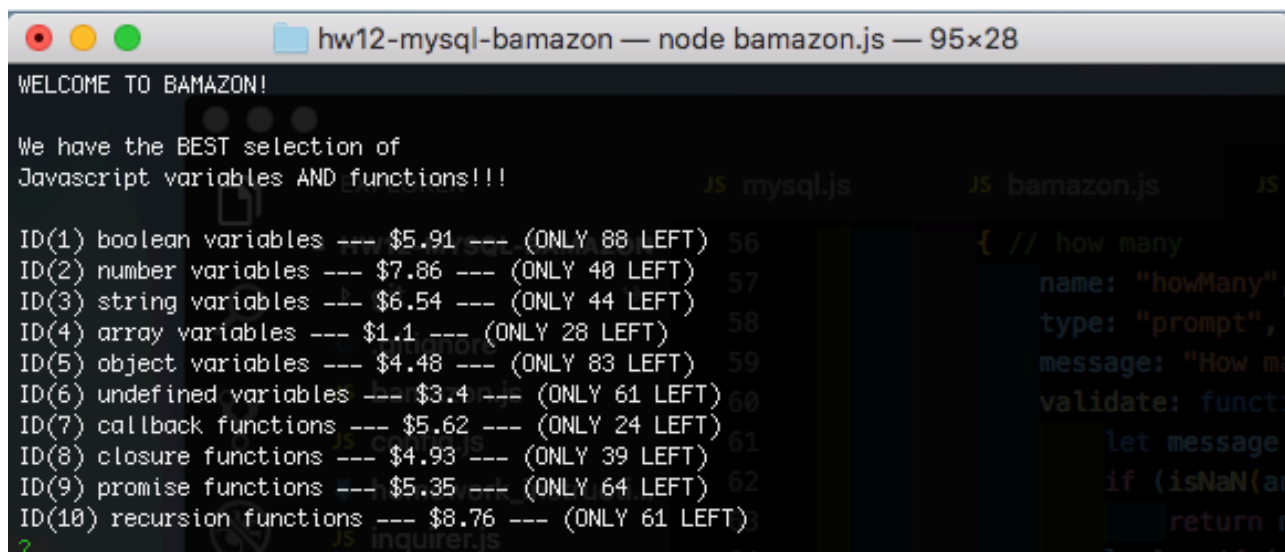
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?
From the inventory above, what product would you like to order?

boolean variables
We have 88 "boolean variables" in stock.

[?] How many would you like to purchase?
>> Unfortunately we only have 88 in stock.
```

We purchase all 88 at \$5.91 each and we're asked to confirm



```
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?
From the inventory above, what product would you like to order?

boolean variables
We have 88 "boolean variables" in stock.

[?] How many would you like to purchase?
>> 88
[?] Confirm purchase? (y/n)
```

```
From the inventory above, what product would you like to order?  
  
boolean variables  
We have 88 "boolean variables" in stock.  
[?] How many would you like to purchase? 88  
? They are $5.91 each.  
  
Are you sure?  
[ (Y/n) ]  
[
```

Upon confirmation, we see that total amount of the sale

```
hw12-mysql-bamazon — node bamazon.js — 95x28  
  
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?  
From the inventory above, what product would you like to order?  
  
boolean variables  
We have 88 "boolean variables" in stock.  
[?] How many would you like to purchase? 88  
? They are $5.91 each.  
  
Are you sure?  
[ Yes  
[  
You've ordered 88 boolean variables  
at $5.91 each for a total of $520.88  
?  
Thank you for your purchase of 88 boolean variables.  
Press any key to view adjusted inventory and make another purchase. (true) ]
```

We get a "thank you" and we press ENTER to complete the transaction and adjust inventory

```
hw12-mysql-bamazon — node bamazon.js — 95x28  
  
?  
Thank you for your purchase of 88 boolean variables.  
[Press any key to view adjusted inventory and make another purchase. a  
ADJUST boolean TO: 0
```



```
ADJUST boolean TO: 0
1 item updated

ID(1) boolean variables --- $5.91 --- (ONLY 0 LEFT)
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(Move up and down to reveal more choices)
Answer: 
```

App loops around for another purchase with updated inventory of 0 for item ID 1

If we request item 2 and ask for all 40...

```
hw12-mysql-bamazon — node bamazon.js — 95x28
?
Thank you for your purchase of 88 boolean variables.
[Press any key to view adjusted inventory and make another purchase. a]
ADJUST boolean TO: 0
1 item updated

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?

From the inventory above, what product would you like to order?

number variables
We have 40 "number variables" in stock.
[?] How many would you like to purchase? 40
? They are $7.86 each.
```

```

Are you sure?
(y/n)
[
  71
  72
  73
]
return
}
]

```

We can then NOT confirm and the sale is cancelled

We're looped back to another view of same inventory for another purchase

```

hw12-mysql-bamazon — node bamazon.js — 95x28
[ No
[
No worries. Think about it and come back. Thank you.
?
[Press ENTER to view inventory and make another purchase. true
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Answer:

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