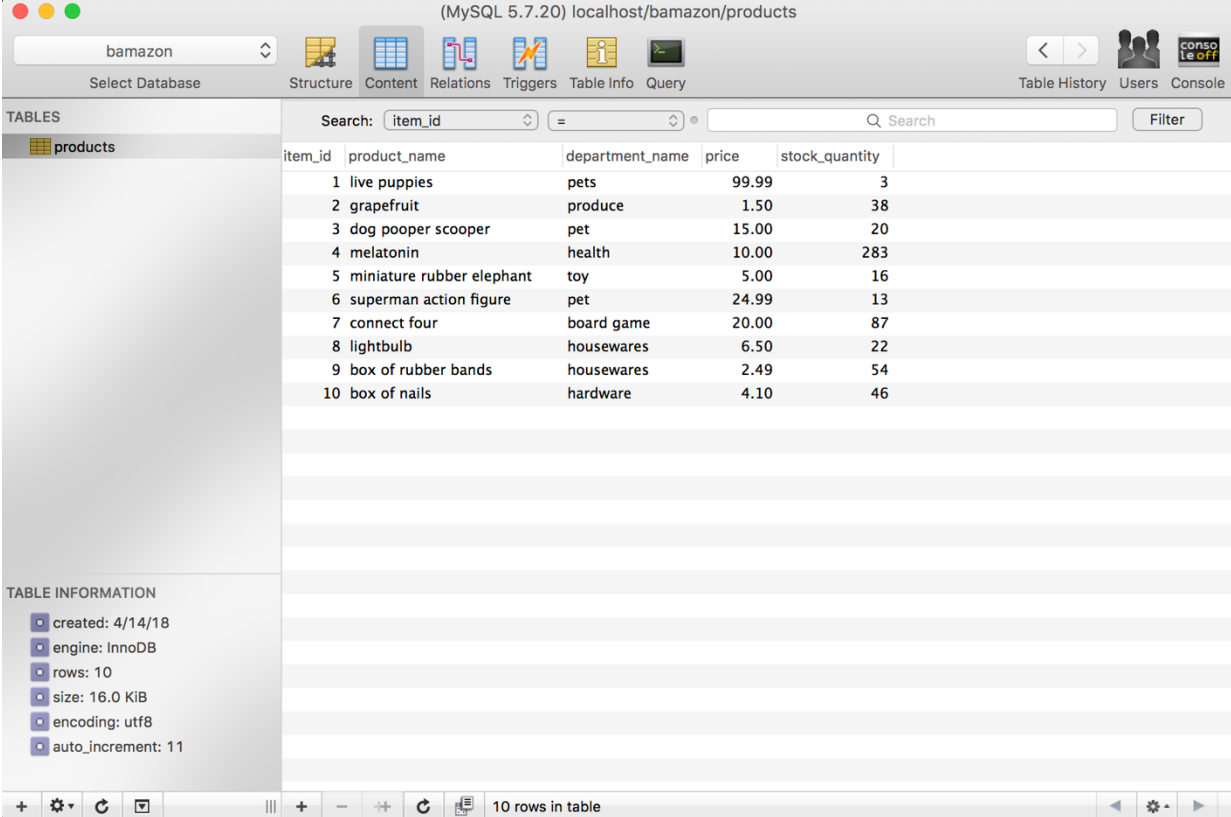


```
# bamazon
```

This app uses Node.js and MySQL to mimic an online storefront.

MySQL is used to create a bamazon database with a table named products that is populated with items.



(MySQL 5.7.20) localhost/bamazon/products

Select Database: bamazon

Structure Content Relations Triggers Table Info Query

Table History Users Console

Search: item_id = Q Search Filter

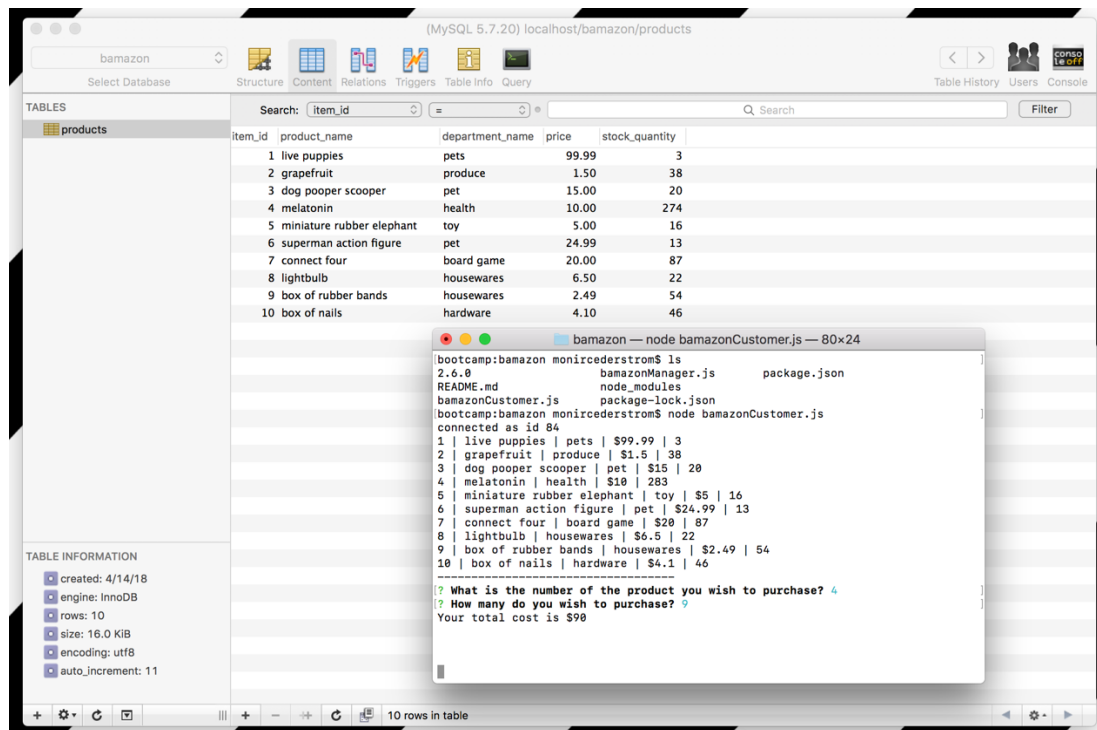
| item_id | product_name | department_name | price | stock_quantity |
|---------|---------------------------|-----------------|-------|----------------|
| 1 | live puppies | pets | 99.99 | 3 |
| 2 | grapefruit | produce | 1.50 | 38 |
| 3 | dog pooper scooper | pet | 15.00 | 20 |
| 4 | melatonin | health | 10.00 | 283 |
| 5 | miniature rubber elephant | toy | 5.00 | 16 |
| 6 | superman action figure | pet | 24.99 | 13 |
| 7 | connect four | board game | 20.00 | 87 |
| 8 | lightbulb | housewares | 6.50 | 22 |
| 9 | box of rubber bands | housewares | 2.49 | 54 |
| 10 | box of nails | hardware | 4.10 | 46 |

TABLE INFORMATION

- created: 4/14/18
- engine: InnoDB
- rows: 10
- size: 16.0 KiB
- encoding: utf8
- auto_increment: 11

10 rows in table

The bamazonCustomer.js application allows the user to select an item and quantity to purchase. The app then checks the item's stock quantity and if there is enough product, it returns the total product cost.



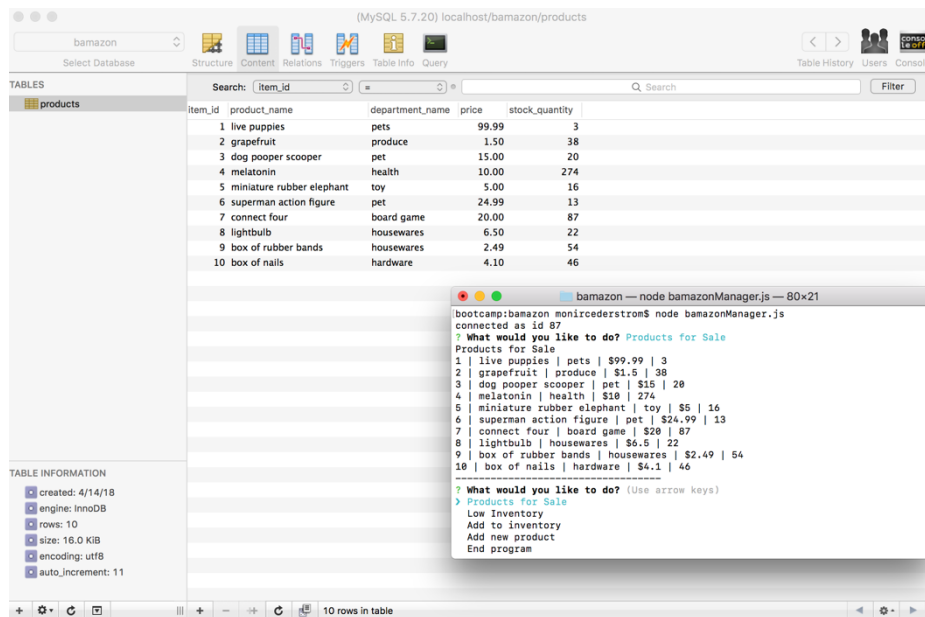
The bamazonManager.js app allows the user to view a menu of options in the terminal.

```

[bootcamp:bamazon monircederstrom$ node bamazonManager.js
connected as id 87
? What would you like to do? (Use arrow keys)
> Products for Sale
  Low Inventory
  Add to inventory
  Add new product
  End program

```

When the user selects "Products for Sale" the list of products from the database is shown.



When the user selects "Low Inventory" the inventory with stock quantities 5 or less are displayed.

```

bamazon — node bamazonManager.js — 80x21
1 | live puppies | pets | $99.99 | 3
2 | grapefruit | produce | $1.5 | 38
3 | dog pooper scooper | pet | $15 | 20
4 | melatonin | health | $10 | 274
5 | miniature rubber elephant | toy | $5 | 16
6 | superman action figure | pet | $24.99 | 13
7 | connect four | board game | $20 | 87
8 | lightbulb | housewares | $6.5 | 22
9 | box of rubber bands | housewares | $2.49 | 54
10 | box of nails | hardware | $4.1 | 46
-----
? What would you like to do? Low Inventory
Low Inventory
1 | live puppies | pets | $99.99 | 3
-----
? What would you like to do? (Use arrow keys)
> Products for Sale
  Low Inventory
  Add to inventory
  Add new product
  End program

```

When the user selects "Add to inventory", the user can choose which products to increase the stock quantity.

(MySQL 5.7.20) localhost/bamazon/products

Select Database Structure Content Relations Triggers Table Info Query Table History Users Console

Search:

TABLES

products

| item_id | product_name | department_name | price | stock_quantity |
|---------|---------------------------|-----------------|-------|----------------|
| 1 | live puppies | pets | 99.99 | 3 |
| 2 | grapefruit | produce | 1.50 | 38 |
| 3 | dog pooper scooper | pet | 15.00 | 20 |
| 4 | melatonin | health | 10.00 | 274 |
| 5 | miniature rubber elephant | toy | 5.00 | 16 |
| 6 | superman action figure | pet | 24.99 | 13 |
| 7 | connect four | board game | 20.00 | 87 |
| 8 | lightbulb | housewares | 6.50 | 22 |
| 9 | box of rubber bands | housewares | 2.49 | 54 |
| 10 | box of nails | hardware | 4.10 | 76 |

TABLE INFORMATION

- created: 4/14/18
- engine: InnoDB
- rows: 10
- size: 16.0 KiB
- encoding: utf8
- auto_increment: 11

10 rows in table

bamazon — node bamazonManager.js — 80x29

```
? What would you like to do? Add to inventory
Add to inventory
? What is the product id number of the product would you like to add inventory to? 10
? How many units of this product would you like to add? 30
Inserting a new product...

Product added.

? What would you like to do? Products for Sale
Products for Sale
1 | live puppies | pets | $99.99 | 3
2 | grapefruit | produce | $1.5 | 38
3 | dog pooper scooper | pet | $15 | 20
4 | melatonin | health | $10 | 274
5 | miniature rubber elephant | toy | $5 | 16
6 | superman action figure | pet | $24.99 | 13
7 | connect four | board game | $20 | 87
8 | lightbulb | housewares | $6.5 | 22
9 | box of rubber bands | housewares | $2.49 | 54
10 | box of nails | hardware | $4.1 | 76
-----
? What would you like to do? (Use arrow keys)
> Products for Sale
Low Inventory
Add to inventory
Add new product
End program
```

When the user selects “Add new product”, the user can add to the table a new product to sell.

(MySQL 5.7.20) localhost/bamazon/products

Select Database Structure Content Relations Triggers Table Info Query Table History Users Console

Search:

TABLES

products

| item_id | product_name | department_name | price | stock_quantity |
|---------|---------------------------|-----------------|-------|----------------|
| 1 | live puppies | pets | 99.99 | 3 |
| 2 | grapefruit | produce | 1.50 | 38 |
| 3 | dog pooper scooper | pet | 15.00 | 20 |
| 4 | melatonin | health | 10.00 | 274 |
| 5 | miniature rubber elephant | toy | 5.00 | 16 |
| 6 | superman action figure | pet | 24.99 | 13 |
| 7 | connect four | board game | 20.00 | 87 |
| 8 | lightbulb | housewares | 6.50 | 22 |
| 9 | box of rubber bands | housewares | 2.49 | 54 |
| 10 | box of nails | hardware | 4.10 | 76 |

TABLE INFORMATION

- created: 4/14/18
- engine: InnoDB
- rows: 10
- size: 16.0 KiB
- encoding: utf8
- auto_increment: 11

10 rows in table

bamazon — node bamazonManager.js — 80x29

```
? What would you like to do? Add to inventory
Add to inventory
? What is the product id number of the product would you like to add inventory to? 10
? How many units of this product would you like to add? 30
Inserting a new product...

Product added.

? What would you like to do? Products for Sale
Products for Sale
1 | live puppies | pets | $99.99 | 3
2 | grapefruit | produce | $1.5 | 38
3 | dog pooper scooper | pet | $15 | 20
4 | melatonin | health | $10 | 274
5 | miniature rubber elephant | toy | $5 | 16
6 | superman action figure | pet | $24.99 | 13
7 | connect four | board game | $20 | 87
8 | lightbulb | housewares | $6.5 | 22
9 | box of rubber bands | housewares | $2.49 | 54
10 | box of nails | hardware | $4.1 | 76
-----
? What would you like to do? (Use arrow keys)
> Products for Sale
Low Inventory
Add to inventory
Add new product
End program
```

Finally, when the user selects "End program" the connection is closed.

The screenshot shows a MySQL 5.7.20 interface with the 'bamazon' database selected. The 'products' table is displayed with 11 rows. A terminal window titled 'bamazon -- bash -- 80x21' is overlaid, showing the output of a program that lists the products and their details, followed by the prompt 'What would you like to do? End program' and the message 'Program has closed.'.

| Item_id | product_name | department_name | price | stock_quantity |
|---------|---------------------------|-----------------|-------|----------------|
| 1 | live puppies | pets | 99.99 | 3 |
| 2 | grapefruit | produce | 1.50 | 38 |
| 3 | dog pooper scooper | pet | 15.00 | 20 |
| 4 | melatonin | health | 10.00 | 274 |
| 5 | miniature rubber elephant | toy | 5.00 | 16 |
| 6 | superman action figure | pet | 24.99 | 13 |
| 7 | connect four | board game | 20.00 | 87 |
| 8 | lightbulb | housewares | 6.50 | 22 |
| 9 | box of rubber bands | housewares | 2.49 | 54 |
| 10 | box of nails | hardware | 4.10 | 76 |
| 11 | Blue wigs | beauty | 50.00 | 15 |

```
? What would you like to do? Products for Sale
Products for Sale
1 | live puppies | pets | $99.99 | 3
2 | grapefruit | produce | $1.5 | 38
3 | dog pooper scooper | pet | $15 | 20
4 | melatonin | health | $10 | 274
5 | miniature rubber elephant | toy | $5 | 16
6 | superman action figure | pet | $24.99 | 13
7 | connect four | board game | $20 | 87
8 | lightbulb | housewares | $6.5 | 22
9 | box of rubber bands | housewares | $2.49 | 54
10 | box of nails | hardware | $4.1 | 76
11 | Blue wigs | beauty | $50 | 15
? What would you like to do? End program
End program

Program has closed.
bootcamp:bamazon monircederstrom$
```