runfile('F:/CS 521 Python/emyers01\_final\_project/emyers01\_final\_project.py', wdir='F:/CS 521 Python/emyers01\_final\_project')

Welcome to Asset Manager. Please select from the following:

------------------------------------------------------------

1: Load database from file.

3: Display current database.

4: Search database by name.

5: Search database by ID.

6: Add item to database.

7: Remove item from database.

8: Add quantity to existing item.

9: Remove quantity from existing item.

10: Demo Mode.

11: Quit.

Please enter an integer selection between 1 and 11: 10

Options Screen:

Welcome to Asset Manager. Please select from the following:

------------------------------------------------------------

1: Load database from file.

3: Display current database.

4: Search database by name.

5: Search database by ID.

6: Add item to database.

7: Remove item from database.

8: Add quantity to existing item.

9: Remove quantity from existing item.

10: Demo Mode.

11: Quit.

1: Loading a file from 'Asset MGR.txt'.

2: Saving a file to 'Demo Save.txt'.

3: Printing the current database.

Database as of : 08/18/21

ID | Name | Category | Quantity

------------------------------------------------------------

0001 | Nut | Hardware | 12

0002 | Bolt | Hardware | 35

0003 | Washer | Hardware | 17

0004 | Screw | Hardware | 21

0005 | Hammer | Tool | 3

0006 | Screwdriver | Tool | 2

0007 | Tube of Grease | Lubricant | 3

0008 | Grease Gun | Tool | 1

0009 | Quart of Oil | Lubricant | 3

4: Search database by name.

Please enter an item name to search: screw

ID | Name | Category | Quantity

------------------------------------------------------------

0004 | Screw | Hardware | 21

5: Search database by ID.

Please enter an item ID to search: 0006

ID | Name | Category | Quantity

------------------------------------------------------------

0006 | Screwdriver | Tool | 2

6: Add item to database.

Database as of : 08/18/21

ID | Name | Category | Quantity

------------------------------------------------------------

0001 | Nut | Hardware | 12

0002 | Bolt | Hardware | 35

0003 | Washer | Hardware | 17

0004 | Screw | Hardware | 21

0005 | Hammer | Tool | 3

0006 | Screwdriver | Tool | 2

0007 | Tube of Grease | Lubricant | 3

0008 | Grease Gun | Tool | 1

0009 | Quart of Oil | Lubricant | 3

Please enter the item name: Gorilla

Please enter the item category: Animal

Please enter the item quantity: 1

Item added successfully.

7: Remove item from database.

Database as of : 08/18/21

ID | Name | Category | Quantity

------------------------------------------------------------

0001 | Nut | Hardware | 12

0002 | Bolt | Hardware | 35

0003 | Washer | Hardware | 17

0004 | Screw | Hardware | 21

0005 | Hammer | Tool | 3

0006 | Screwdriver | Tool | 2

0007 | Tube of Grease | Lubricant | 3

0008 | Grease Gun | Tool | 1

0009 | Quart of Oil | Lubricant | 3

0010 | Gorilla | Animal | 1

Please enter an item name to remove: grease gun

Item deleted successfully.

8: Add quantity to existing item.

Database as of : 08/18/21

ID | Name | Category | Quantity

------------------------------------------------------------

0001 | Nut | Hardware | 12

0002 | Bolt | Hardware | 35

0003 | Washer | Hardware | 17

0004 | Screw | Hardware | 21

0005 | Hammer | Tool | 3

0006 | Screwdriver | Tool | 2

0007 | Tube of Grease | Lubricant | 3

0008 | Quart of Oil | Lubricant | 3

0009 | Gorilla | Animal | 1

Please enter the item ID and quantity to add, separated by spaces: 0007 2

Quantity updated successfully.

9: Remove quantity from item.

Database as of : 08/18/21

ID | Name | Category | Quantity

------------------------------------------------------------

0001 | Nut | Hardware | 12

0002 | Bolt | Hardware | 35

0003 | Washer | Hardware | 17

0004 | Screw | Hardware | 21

0005 | Hammer | Tool | 3

0006 | Screwdriver | Tool | 2

0007 | Tube of Grease | Lubricant | 5

0008 | Quart of Oil | Lubricant | 3

0009 | Gorilla | Animal | 1

Please enter the item ID and quantity to remove, separated by spaces: 0009 3

Quantity updated successfully.

Database as of : 08/18/21

ID | Name | Category | Quantity

------------------------------------------------------------

0001 | Nut | Hardware | 12

0002 | Bolt | Hardware | 35

0003 | Washer | Hardware | 17

0004 | Screw | Hardware | 21

0005 | Hammer | Tool | 3

0006 | Screwdriver | Tool | 2

0007 | Tube of Grease | Lubricant | 5

0008 | Quart of Oil | Lubricant | 3

0009 | Gorilla | Animal | 0

Database Manipulation: Merge Databases.

Loading first database: 'MergeDB1.txt'.

Database as of : 08/19/21

ID | Name | Category | Quantity

------------------------------------------------------------

0001 | Nut | Hardware | 12

0002 | Bolt | Hardware | 35

0003 | Washer | Hardware | 17

0004 | Screw | Hardware | 21

0005 | Hammer | Tool | 3

0006 | Screwdriver | Tool | 2

0007 | Grease Gun | Tool | 1

Loading second database: 'MergeDB2.txt'.

Database as of : 08/19/21

ID | Name | Category | Quantity

------------------------------------------------------------

0001 | Lego | Toys | 200

0002 | Bolt | Hardware | 35

0003 | Screw | Hardware | 21

0004 | Hammer | Tool | 3

0005 | Screwdriver | Tool | 2

0006 | Tube of Grease | Lubricant | 3

0007 | Dump Truck | Vehicle | 1

0008 | Quart of Oil | Lubricant | 3

0009 | Car | Vehicle | 6

Second database merged with first database.

Database as of : 08/19/21

ID | Name | Category | Quantity

------------------------------------------------------------

0001 | Nut | Hardware | 12

0002 | Bolt | Hardware | 70

0003 | Washer | Hardware | 17

0004 | Screw | Hardware | 42

0005 | Hammer | Tool | 6

0006 | Screwdriver | Tool | 4

0007 | Grease Gun | Tool | 1

0008 | Lego | Toys | 200

0009 | Tube of Grease | Lubricant | 3

0010 | Dump Truck | Vehicle | 1

0011 | Quart of Oil | Lubricant | 3

0012 | Car | Vehicle | 6

Analytics Function: Identify unique categories.

Source database:

Database as of : 08/19/21

ID | Name | Category | Quantity

------------------------------------------------------------

0001 | Nut | Hardware | 12

0002 | Bolt | Hardware | 70

0003 | Washer | Hardware | 17

0004 | Screw | Hardware | 42

0005 | Hammer | Tool | 6

0006 | Screwdriver | Tool | 4

0007 | Grease Gun | Tool | 1

0008 | Lego | Toys | 200

0009 | Tube of Grease | Lubricant | 3

0010 | Dump Truck | Vehicle | 1

0011 | Quart of Oil | Lubricant | 3

0012 | Car | Vehicle | 6

From our database, the unique categories are: 'Vehicle', 'Tool', 'Toys', 'Hardware', 'Lubricant'

I hope you enjoyed your program! Thank you Prof. Zhang and Marc!

Welcome to Asset Manager. Please select from the following:

------------------------------------------------------------

1: Load database from file.

3: Display current database.

4: Search database by name.

5: Search database by ID.

6: Add item to database.

7: Remove item from database.

8: Add quantity to existing item.

9: Remove quantity from existing item.

10: Demo Mode.

11: Quit.

Please enter an integer selection between 1 and 11: 11

Exiting the program.