

Name- Arti Thakran

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Course - IT FDN 110 B Au 21: Foundations Of Programming: Python

Assignment - Assignment06

Github link -

https://github.com/athakran16/Assignment_06

Introduction:

In this module we learned about working with functions, arguments and return parameters.. It is interesting to see how code can be organised into functions and called in the main code section to run the functionality.

I had some issues rewriting this program and identifying how to organise data in functions. I was happy when i tested it and was able to make it run successfully.

Running the script and capturing output using Spyder-

Load inventory to file -

```
In [4]: runfile('C:/python/Mod_06/Assignment06.py', wdir='C:/python/Mod_06')
Menu

[1] load Inventory from file
[a] Add CD
[i] Display Current Inventory
[d] delete CD from Inventory
[s] Save Inventory to file
[x] exit

Which operation would you like to perform? [1, a, i, d, s or x]: 1

WARNING: If you continue, all unsaved data will be lost and the Inventory re-loaded from file.

type 'yes' to continue and reload from file. otherwise reload will be canceledyes
reloading...
===== The Current Inventory: =====
ID  CD Title (by: Artist)

1   a (by:b)
=====
```

Add CD -

```
-----  
Menu
```

```
[l] load Inventory from file  
[a] Add CD  
[i] Display Current Inventory  
[d] delete CD from Inventory  
[s] Save Inventory to file  
[x] exit
```

```
Which operation would you like to perform? [l, a, i, d, s or x]: a
```

```
Enter ID: 2
```

```
What is the CD's title? sher
```

```
What is the Artist's name? meenu|
```

```
===== The Current Inventory: =====
```

```
ID  CD Title (by: Artist)
```

```
1    a (by:b)
```

```
2    sher (by:meenu)
```

```
=====
```

Display Current Inventory -

```
=====
```

```
Menu
```

```
[l] load Inventory from file  
[a] Add CD  
[i] Display Current Inventory  
[d] delete CD from Inventory  
[s] Save Inventory to file  
[x] exit
```

```
Which operation would you like to perform? [l, a, i, d, s or x]: i
```

```
===== The Current Inventory: =====
```

```
ID  CD Title (by: Artist)
```

```
1    a (by:b)
```

```
2    sher (by:meenu)
```

```
=====
```

Save Inventory to file -

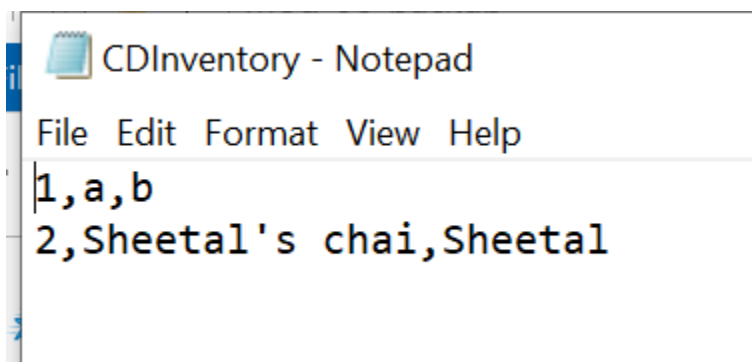
```
-----
Menu

[l] load Inventory from file
[a] Add CD
[i] Display Current Inventory
[d] delete CD from Inventory
[s] Save Inventory to file
[x] exit

Which operation would you like to perform? [l, a, i, d, s or x]: s

===== The Current Inventory: =====
ID  CD Title (by: Artist)
|
1   a (by:b)
2   sher (by:meenu)
=====

Save this inventory to file? [y/n] y
Menu
```



Running the script and capturing output using Python terminal-

```
(base) C:\Users\athakran>python c:\python\Mod_06\Assignment06\CDInventory.py
Menu

[l] load Inventory from file
[a] Add CD
[i] Display Current Inventory
[d] delete CD from Inventory
[s] Save Inventory to file
[x] exit

Which operation would you like to perform? [l, a, i, d, s or x]:
```

Summary - I was able to successfully modify a program to add functions to the code. I was able to locate the file. Screenshots are attached above. I was also able to run the file on the Python terminal.