	Assignment Marking Sheet										
	Personal Data										
							ractical Lecturer: rof. Sugumaran A/L Nallusamy				
	Overa						Overa	all Mark:			
								/100%			
	Submission Status										
	No submission	submission Upload w			Late s	ubmission		No issue			
1.	Compilation and Running										
	Does not compile		Compile	but no output/	wrong output		Compile and produce output				
2.	 2. Presentation (6%) (a) Comments and Variable names (6%): □ Poor choice □ Can be improved □ Meaningful 										
3.	Program Component (54)	<u>% + Pre</u>	sentation	<u>1 6% = 60%)</u>							
Ta	sk III – Search by item numb	per						4			
_	Task IV – Search by keyword							6			
Task V – Show low inventories							4				
Task VI – Update								6			
Task VII – Add								4			
_	sk VIII – Delete					8					
Task IX – Write to file with updates								6			
Presentation comments andvariables names								6			
								Total	0		

4. Report and other components (40%)

Components	Missing	Poor	Good	Excellent	Maximum Marks	Marks Obtained
Flowcharts/Pseudocode					20	
Sample text file					5	
General: Efforts, etc.					15	
					Total	0

Comments

Flow chart/Pseudocode:

0.define the main function

Set chk to True

While chk

Display Menu for user to choose

Input the option

If option is one

Call List function

elif option is two

Call SrcBylNum function

elif option is three

Call SrcByKW function

elif option is four

Call ShowLI function

elf option is five

Call Update function

elif option is six

Call Add function

elif option is seven

Call Delete function

elif option is eight

Call Exit function

else

Print "Not Valid Option"

Input ans for they want continue

If repeat is n

Set chk to false

The main function is called.(last row)

1.define the list function

Format the titles (item number, item name,...) to be printed neatly

The file is file is readand loop through each line,

For each line in file

Each line in file is split to 8 parts and form a list and each element saved in their variables Print 8 parts of each line with formating.

2.define the Search by item number

Set line number to zero

User input INumS

Print the titles (item number, item name,...) using formating

Read the file

For each line in file(the file is read)

Line number is increased by 1

Each line in file is split to 8 parts and form a list and each element saved in their variables If the user input INums same as Item Number

The information in variable will be display

End the for loop (Because no two item number are the same)

Elif line number is smaller than 20

Continue to run

Else (the line number is equal to twenty but item number is not matched yet)

Print "no result ."

3. define the Search by keyword

Set chk=False

Set line number to zero

Receive key word from user input

Read the text file line by line

For each line in file

Line number is increased by 1

Each line in file is split to 8 parts and form a list and each element saved in their variables If the lowercase of user input string is a substring of element from the list (each line forms

a list)

The information in variable will be display

The chk is set as True

Elif line number is smaller than 20

Continue to run

Elif chk is False (which means the key word is not in the file)

Print "no result"

4.define the Show low inventories

Print the titles (item number, item name,...) using formating

Read the file

For each line in the file

Each line in file is split to 8 parts and form a list and each element saved in their variables If the 5th index in list (Quantity) smaller than 10

The information in variable will be display.

5.define update function

Set line number to zero

Receive INumS from user input

Read the text file

For each line in file

Line number increased by 1

Each line in file is split to 8 parts and form a list and each element saved in their variables If INumS same as the first element in list (The item number)

Set LineToEdit to line number minus one

Input new data for all variables

Read the file

Set the lines as a list by setting each row in file as an element

Set a as a combine of string of other data input by user

Set the element in lines that needs to be edit to string a

Write the file

For line in lines(list)

Write back the line for each row of the file accordingly.

6.define add function

Input new data for all variables

Append the file

Generate a new line in file with data input by user

7.define delete function

Input Item num that need to be delete

Read the file

Set the lines as a list by setting each row in file as an element

Write the file

For line in lines

Each line in lines is split to 8 parts and form a list and each element saved in their variables

IF item num(input) is not in item number (the original data)

Those line that fulfill the condition will be written back

8.define exit function

Print "all change have been made"

Call quit ()

Input text file

```
assg.txt - Notepad
                                                                                                                                              File Edit Format View Help
12300,cooking oil,5kg,Knife,19.99,20,Ahmad Zalini,012-3460521
12301,cooking oil,5kg,Red Eagle,22.45,9,Ahmad Zalini,012-3460522
12302, white rice super, 10kg, Jasmine, 24.99, 8, Albert Loo, 017-6481238
12303,white rice super,10kg,Jati,26.00,12,Albert Loo,017-6481239
12304,white rice super,8kg,Taci,23.00,14,Eric Chua,019-2123333
12305, chilli sauce, 500g, Life, 3.10, 43, Eric Chua, 019-2123334
12306,chilli sauce,500g,Kimbali,3.20,35,Lee King Cho,012-3716215
12307,tomato sauce,600g,Maggi,3.44,23,Lee King Cho,012-3716216
12308, tomato sauce, 600g, Deggi, 5.44, 6, Lee King Cho, 012-3716217
12309, cheese, 800g, Daily, 6.12, 3, Asley Lau, 018-2130912
12310, cheese, 800g, Fresh, 5.34, 34, Asley Lau, 018-2130913
12311,bread,350g,Masimo,3.44,33,Edward Lim,012-3344455
12312,bread,450g,Gardenia,3.45,12,Edward Lim,012-3344456
12313,chocolate bread,500g,Chewv,3.77,31,Edward Lim,012-3344457
12314, sugar, 1kg, Domino, 6.00, 14, Andy Ting, 013-4453675
12315, sugar, 1kg, Daddy, 6.00, 17, Andy Ting, 013-4453676
12316,pepsi,300g,Pep,2.00,11,Andy Ting,013-4453677
12317, soda, 400g, Coke, 3.00, 15, Climbert Lim, 019-3759361
12318, jam, 500g, Chivers, 6.90, 13, Climbert Lim, 019-3759362
12319, jam, 500g, Hosa, 6.90, 15, Climbert Lim, 019-3759363
                                                                                                Ln 20, Col 53
                                                                                                                   100%
                                                                                                                         Windows (CRLF)
                                                                                                                                         LITE-8
```

Python Program(4photo)

```
print("{0:13s}{1:20s}{2:5s}{3:10s}{4:7s}{5:5s}{6:20s}{7:20s}".format("Item Number","Item Name","Size","Brand","Price","Qty","Supplier","Contact"))
      with open("D:/Python/ass_pyython/assg.txt",'r') as file :
    for line in file :
                Item_Number,Item_Name,Size,Brand,Price,Qty,Supplier,Contact = line.split(',')
print("{0:13s}{1:20s}{2:5s}{3:10s}{4:7s}{5:5s}{6:20s}{7:20s}".format(Item_Number,Item_Name,Size,Brand,Price,Qty,Supplier,Contact))
def SrcByINum():
     line number=0
     TNumS = input("Search record by item number:")
print("{0:13s}{1:20s}{2:5s}{3:10s}{4:7s}{5:5s}{6:20s}{7:20s}".format("Item Number","Item Name","Size","Brand","Price","Qty","Supplier","Contact"))
with open("D:/Python/ass_pyython/assg.txt",'r') as file:
                line number
                Item Number.Item Name.Size.Brand.Price.Oty.Supplier.Contact = line.split(',')
                                Item Number
                     print("{0:135}{1:20s}{2:5s}{3:10s}{4:7s}{5:5s}{6:20s}{7:20s}".format(Item_Number,Item_Name,Size,Brand,Price,Qty,Supplier,Contact))
                elif line number<20:
                     print("No result, only from 12300 to 12319")
     SrcByKW():
chk=False
      line_number=0
      Kw=input("Search record by keyword:")
with open("D:/Python/ass_pyython/assg.txt",'r') as file :
    for line in file:
                 Item_Number,Item_Name,Size,Brand,Price,Qty,Supplier,Contact = line.split(',')
                      any(Kw.lower() in x.lower() for x in line.split(',')):
print("{0:13s}{1:20s}{2:5s}{3:10s}{4:7s}{5:5s}{6:20s}{7:20s}".format(Item_Number,Item_Name,Size,Brand,Price,Qty,Supplier,Contact))
                 if any(Kw.lower() in x.lower()
                      chk=True
                 elif line number<20:
                 elif chk==False:
    print("No result")
     print("{0:13s}{1:20s}{2:5s}{3:10s}{4:7s}{5:5s}{6:20s}{7:20s}".format("Item Number","Item Name","Size","Brand","Price","Qty","Supplier","Contact"))
with open("D:/Python/ass_pyython/assg.txt",'r') as file :
                 Item_Number,Item_Name,Size,Brand,Price,Qty,Supplier,Contact = line.split(',')
if int(line.split(',')[5])<10:
    print("{0:13s}{1:20s}{2:5s}{3:10s}{4:7s}{5:5s}{6:20s}{7:20s}".format(Item_Number,Item_Name,Size,Brand,Price,Qty,Supplier,Contact))</pre>
```

```
def Exit():
    print("All changes have been made.")
   chk = True
    while chk:
       print("***********************************
      print("5.Update the record
       option = input("Enter an option.")
       if option=="1":
           List()
       elif option=="2":
           SrcByINum()
       elif option=="3":
          SrcByKW()
       elif option=="4":
           ShowLI()
       elif option=="5":
Update()
       elif option=="6":
          Add()
       elif option=="7":
           Delete()
       elif option=="8":
          Exit()
           print("Not Valid option")
       repeat = input("Continue? (y/n)")
       if repeat =='n':
           chk = False
#Call the function
if __name__=='__main__':
   main()
```

Sample output of program

Sample of input data and test cases :

assingment_1.py									
Inter an opt Item Number 12300	ion.1 Item Name cooking oil		Brand Knife	Price 19.99	Qty 20	Supplier Ahmad Zalini	Contact 012-3460521		
12301	cooking oil	5kg	Red Eagle	22.45	9	Ahmad Zalini	012-3460522		
12302	white rice super	10kg	Jasmine	24.99	8	Albert Loo	017-6481238		
12303	white rice super	10kg	Jati	26.00	12	Albert Loo	017-6481239		
12304	white rice super	8kg	Taci	23.00	14	Eric Chua	01 9 -2123333		
12305	chilli sauce	500g	Life	3.10	43	Eric Chua	01 9 -2123334		
12306	chilli sauce	500g	Kimbali	3.20	35	Lee King Cho	012-3716215		
12307	tomato sauce	600g	Maggi	3.44	23	Lee King Cho	012-3716216		
12308	tomato sauce	600g	Deggi	5.44	6	Lee King Cho	012-3716217		
12309	cheese	800g	Daily	6.12	3	Asley Lau	018-2130912		
12310	cheese	800g	Fresh	5.34	34	Asley Lau	018-2130913		
12311	bread	350g	Masimo	3.44	33	Edward Lim	012-3344455		
12312	bread	450g	Gardenia	3.45	12	Edward Lim	012-3344456		
12313	chocolate bread	500g	Chewv	3.77	31	Edward Lim	012-3344457		
12314	sugar	1kg	Domino	6.00	14	Andy Ting	013-4453675		
12315	sugar	1kg	Daddy	6.00	17	Andy Ting	013-4453676		
12316	pepsi	300g	Pep	2.00	11	Andy Ting	013-4453677		
12317	soda	400g	Coke	3.00	15	Climbert Lim	01 9 -3759361		
12318	jam	500g	Chivers	6.90	13	Climbert Lim	01 9 -3759362		
12319	jam	500g	Hosa	6.90	15	Climbert Lim	01 9 -3759363		
Continue? (y/n)									
5.Update the record * 6.Add a new record to list * 7.Delete record from list * 8.Exit the program. * ***********************************									



