PRF192 ASSIGNMENT

Requirement: WRITE A C PROGRAM TO MANAGE FOOD AND CUSTOMER IN A MINI MARKET

GROUP 6

TASK	NAME
 Lên ý tưởng Code sườn bài \(macro, database,\) Làm function display all items và function add items 	Trần Quốc Hùng - DE190015 - Leader
 Làm function sort và export data to file 	Lê Nguyễn Anh Đạt - DE180645
 Làm function Look for items và delete matched items 	Bùi Quang Hiếu - DE190011
- Làm function delete all item và modify item	Nguyễn Thanh Lân - DE180900

TASK 1: display all items

Manage food items

***	*****	******	*****	*****	*****	******	*****	******	******	****
*					Produ	ıct Databas	se			*
***	*****	******	******	*****	*****	********	******	******	*******	****
*										*
*	no.	name		stock		price		manufacturing date	expiry date	*
*										*
*	1	chicken		10	. !	30	ļ.	22/10/2023	22/10/2024	*
*	2	beef		15		20	- 1	15/11/2023	15/11/2024	*
*	3	pork		12		25	- 1	18/12/2023	18/12/2024	*
*	4	fish		8		40		05/09/2023	05/09/2024	*
*	5	vegetables		5		50		30/11/2023	30/11/2024	*
*	6	fruits		6		60	- 1	12/12/2023	12/12/2024	*
*	7	bread	1	3		70	- 1	01/01/2023	01/01/2024	*
*	8	milk	1	2		80	- 1	02/02/2023	02/02/2024	*
*	9	cheese	1	4		90	- 1	03/03/2023	03/03/2024	*
*	10	eggs	1	1		100	- 1	04/04/2023	04/04/2024	*
*										*
**	****	*****	******	****	***	*****	*****	*****	******	****
			Press a	ny keys	to re	eturn to ma	ain produc	t menu		

Manage customers:

	no.	ı.	name	1	age	1	phone number	- 1	acconut balance	- 1	bonus point	
		•	riome		9-		priorie riamber		accornec Datanec		Donas poinc	
	1	Ī	John		25		1234567890		1000		50	
	2	T	Alice		30		9876543210		2000		100	
	3	T	Bob		35		555555555		1500		75	
	4	1	Emma		28		999999999		1800		90	
	5		Michael	- 1	40		1111111111		1200	- 1	60	
	6		Sophia	1	32	- 1	4444444444		2500	- 1	125	
	7		William	- 1	27		666666666		900	- 1	45	
	8	1	Olivia		31		222222222		1700		85	
	9		James		29		88888888		1400	- 1	70	
	10	1	Emily		33		333333333		2200		110	
k:		***		******		****		****	*****	****		

Task 2: add items Manage food items:

***	****	***	********	*****	****	*****	*****	*****	***	*****	****
*					Prod	uct Database					*
***	****	***	*******	*****	****	****	*****	******	***	*****	****
*											*
*	no.		name	stock		price		manufacturing date		expiry date	*
*											*
*	1		chicken	10		30	- 1	22/10/2023		22/10/2024	*
*	2		beef	15		20	l l	15/11/2023		15/11/2024	*
*	3		pork	12		25		18/12/2023		18/12/2024	*
*	4		fish	8		40		05/09/2023		05/09/2024	*
*	5		vegetables	5		50	l l	30/11/2023		30/11/2024	*
*	6		fruits	6		60		12/12/2023		12/12/2024	*
*	7		bread	3		70		01/01/2023		01/01/2024	*
*	8	1	milk	2		80		02/02/2023		02/02/2024	*
*	9		cheese	4		90		03/03/2023		03/03/2024	*
*	10	1	eggs	1		100		04/04/2023		04/04/2024	*
*											*
***	****	***	*******	******	****	*****	*****	*******	***	******	****
			Enter name or q to								
			Enter stock or q t								
			Enter price or q t								
			Enter manufacturir	ng date or	q to	back: 08/0	8/2008				
			Enter expiry date	or q to ba	ack:	09/09/2009					
				۸۵	d ita	m successful	1v1				
				Aut	u 1 ce	m successiut	. су .				
			Press r to	refresh tl	he li	st. anv kevs	to retu	rn to product menu			

*****	\$\dagger\$\dagg	1-4-4-4-4-4-4-4-4-4-4-4-4-4-4-4-4-4-4-4	د مل	******		
*	**************		Product Databa			*
*****	******	******			******	*
*						*
* no.	name	sto	ck price	manufacturing dat	e expiry date :	*
*					. , ,	*
* 1	chicken	10	30	22/10/2023	22/10/2024	*
* 2	beef	15	20	15/11/2023	15/11/2024	*
* 3	pork	12	25	18/12/2023	18/12/2024	*
* 4	fish	8	40	05/09/2023	05/09/2024	*
* 5	vegetables	5	50	30/11/2023	30/11/2024	*
* 6	fruits	6	60	12/12/2023	12/12/2024	*
* 7	bread	3	70	01/01/2023	01/01/2024	*
* 8	milk	2	80	02/02/2023	02/02/2024	*
* 9	cheese	4	90	03/03/2023	03/03/2024	*
* 10	eggs	1	100	04/04/2023	04/04/2024	*
* 11	chilly	131	1414	08/08/2008	09/09/2009	*
*						*
*****	*******	******	******	*********	*********	*
		D				
		Press any R	eys to return to p	product menu		

Errors:

			Pr	roduct Database			
***	*****	******	******	*****	********	******	****
*							
*	no.	name	stock	price	manufacturing date	expiry date	
*							
e	1	chicken	10	30	22/10/2023	22/10/2024	
ŀ	2	beef	15	20	15/11/2023	15/11/2024	
t	3	pork	12	25	18/12/2023	18/12/2024	
	4	fish	8	40	05/09/2023	05/09/2024	
	5	vegetables	5	50	30/11/2023	30/11/2024	
	6	fruits	6	60	12/12/2023	12/12/2024	
k	7	bread	3	70	01/01/2023	01/01/2024	
e	8	milk	2	80	02/02/2023	02/02/2024	
k	9	cheese	4	90	03/03/2023	03/03/2024	
e	10	eggs	1	100	04/04/2023	04/04/2024	
k	11	chilly	13141	1414	08/08/2008	09/09/2009	
k							
***	*****	*******	******	******	********	******	****
		Enter name o	r g to back: spic	ries			
			r q to back: spic or g to back: 131				
		Enter stock	or q to back: 131	1			
		Enter stock Enter price	or q to back: 131 or q to back: 157	1 7	008		
		Enter stock Enter price Enter manufa	or q to back: 131 or q to back: 157 cturing date or q	l 7 to back: 08082	008		
		Enter stock Enter price Enter manufa	or q to back: 131 or q to back: 157	l 7 to back: 08082	008		
		Enter stock Enter price Enter manufa	or q to back: 131 or q to back: 157 cturing date or q date or q to back	l 7 to back: 08082			

Manage customers:

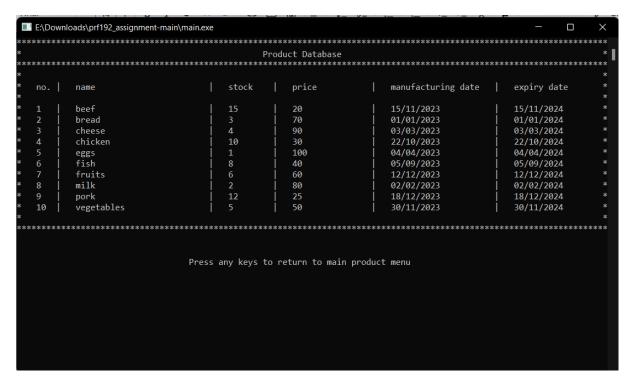
k .						Custo	omer Database					*
**	****	***	******	*****	*****			****	******	*****	******	****
k												*
ķ	no.	П	name	1	age	- 1	phone number	- 1	acconut balance		bonus point	
					,							
	1	ı	John	1	25	- 1	1234567890		1000	- 1	50	*
	2	İ	Alice	į	30	ĺ	9876543210	i	2000	ĺ	100	*
	3	Ĺ	Bob	į	35	Ĺ	555555555	Ĺ	1500	ĺ	75	
	4		Emma		28		999999999		1800		90	*
	5		Michael	- 1	40		1111111111		1200		60	*
	6		Sophia		32		444444444		2500		125	*
	7		William	- 1	27		666666666		900		45	*
	8		Olivia		31		222222222		1700		85	*
	9		James		29	- 1	888888888		1400		70	
	10		Emily		33	- 1	333333333		2200	ı	110	*
*:	****	***	******	*****	*****	****	******	****	*******	*****	*****	****
				ame or q to l			A					
				ge or q to ba								
			Enter ph	none number (or q to I	back:	0867898808					
			Enter ac	conut balan	ce or q	to bad	:k: 1421314					
Enter acconut balance or q to back: 1421314												
Enter bonus point or q to back: 1451												
		Add item successfully!										

						100				100		
	no.	1	name	- 1	age	- 1	phone number	- 1	acconut balance		bonus point	,
												,
	1	Ţ	John	ļ.	25	ı,	1234567890	ı İ	1000	. !	50	7
	2		Alice		30		9876543210		2000		100	3
	3		Bob		35		555555555		1500		75	4
	4		Emma		28		999999999		1800		90	3
	5	Ĺ	Michael	i	40	i i	1111111111	i i	1200	Ĺ	60	
	6	Ĺ	Sophia	i	32	i i	4444444444	i i	2500	ĺ	125	4
	7	i	William	i	27	i i	666666666	i	900	ĺ	45	4
	8	i	Olivia	i	31	i i	222222222	i	1700	i	85	*
	9	i	James	i	29	i i	88888888	i	1400	i	70	,
	10	i	Emily	i	33	- i	333333333	i i	2200	i	110	4
	11	i	Nguyen A	i	14	i i	0867898808	i	1421314	i	1451	,
		٠.	ngayen A				0007070000		1721317		1401	
**	****		*******	****				****	****	***		****
* *	***	***	*******	****	****	***	******	***	******	***	******	***

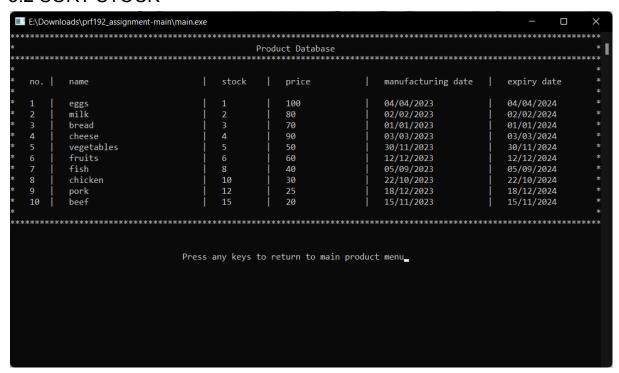
Errors:

***	*****	*******			******	******	****
*				stomer Database			*
	*****	******	******	*******	********	*********	****
*							*
*	no.	name	age	phone number	acconut balance	bonus point	*
*	1	l John	1 25	1 1224565000	1 1000	1 50	*
*	Ţ	John	25	1234567890	1000	50	*
*	2	Alice	30	9876543210	2000	100	*
*	3	Bob	35	555555555	1500	75	*
*	4	Emma	28	999999999	1800	90	*
*	5	Michael	40	1111111111	1200	60	*
*	6	Sophia	32	444444444	2500	125	*
*	7	William	27	666666666	900	45	*
*	8	Olivia	31	222222222	1700	85	*
*	9	James	29	888888888	1400	70	*
*	10	Emily	j 33	333333333	2200	110	*
*	11	Nguyen A	l 14	0867898808	1421314	1451	*
*		. 33					*
**	*****	******	********	******	*******	******	****
		Enter na	ume or q to back: Le B				
			pe or q to back: muoi				
			one number or q to bac				
			conut balance or q to				
		Enter bo	nus point or q to back	: 23131			
			Pleas	e check the input!			
			Do you want to	retry? (yes/no) (pre	ss y or n)		

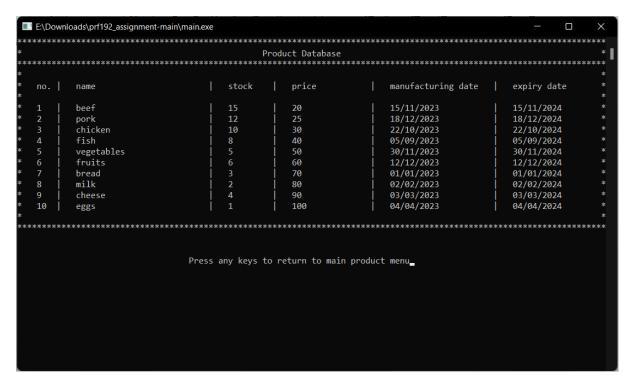
TASK 3: SORT ALL ITEMS
3.1 SORT NAMES



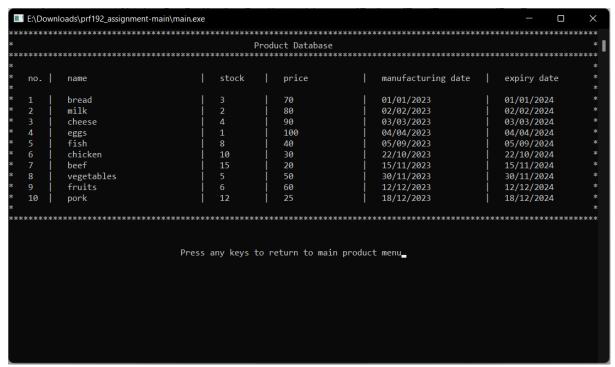
3.2 SORT STOCK



3.3 SORT PRICE



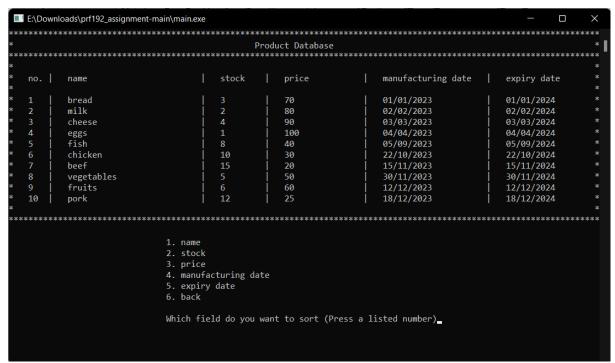
3.4 SORT MANUFACTURING DATE



3.5 SORT EXPIRY DATE

****			oduct Database	***********		مله مله مله مله
	** * * * * * * * * * * * * * * * * * *	*********	******	· ተ ተ ተ ተ ተ ተ ተ ተ ተ ተ ተ ተ ተ ተ ተ ተ ተ ተ ተ	******	***
o. ı	name	stock	price	manufacturing date	expiry date	
V.	Tame	Jeock	price	manaracearing date	CAPITY ducc	
	bread	3	70	01/01/2023	01/01/2024	
	milk	2	80	02/02/2023	02/02/2024	
	cheese	4	90	03/03/2023	03/03/2024	
	eggs	i 1	100	04/04/2023	04/04/2024	
	fish	j 8	40	05/09/2023	05/09/2024	
	chicken	10	30	22/10/2023	22/10/2024	
' j ı	beef	15	20	15/11/2023	15/11/2024	
	vegetables	j 5	50	30/11/2023	30/11/2024	
	fruits	j 6	60	12/12/2023	12/12/2024	
.0 İ ı	pork	12	25	18/12/2023	18/12/2024	
0 I	pork	12	25	18/12/2023	18/12/2024	
*****	******	*****	******	***********	*******	***

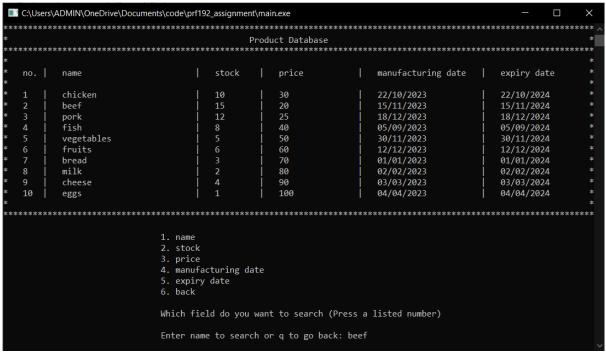
3.5 ERROR VALID

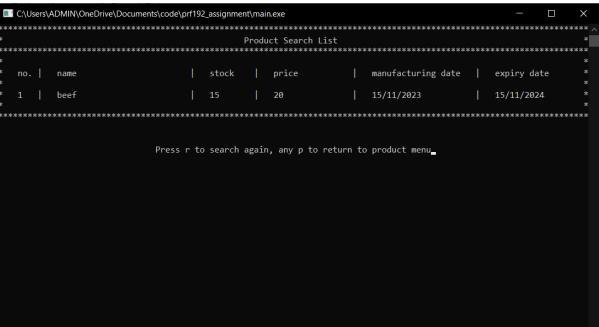


TASK 4: Search item by field

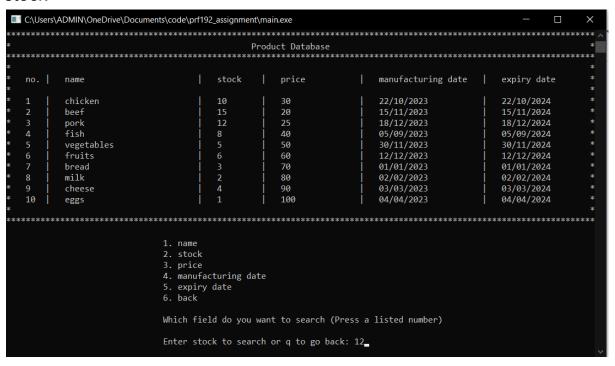
	*******	*******	******	***********************	*******	*****
			Product Database	!		*
*****	*******	*******	********	*************	********	****
no.	name	sto	ck price	manufacturing date	expiry date	
1	chicken	10	30	22/10/2023	22/10/2024	*
2	beef	15	20	15/11/2023	15/11/2024	*
3	pork	12	25	18/12/2023	18/12/2024	
4	fish	8	40	05/09/2023	05/09/2024	
5	vegetables	5	50	30/11/2023	30/11/2024	
6	fruits	6	60	12/12/2023	12/12/2024	
7	bread	3	70	01/01/2023	01/01/2024	
8	milk	2	80	02/02/2023	02/02/2024	
9	cheese	4	90	03/03/2023	03/03/2024	
10	eggs	1	100	04/04/2023	04/04/2024	
*****	***********	*******	********	**************	********	****
		 name 				
		stock				
		price				
		4. manufacturi	ng date			
		expiry date				
		6. back				
		Which field do	you want to search	(Press a listed number)		

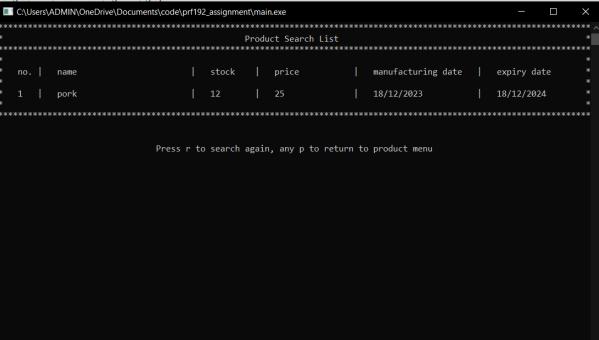
1. Name



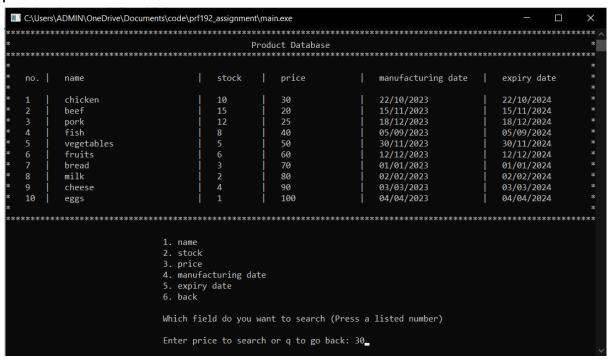


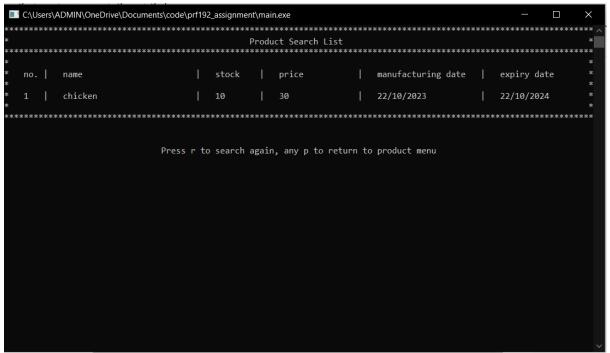
2. stock



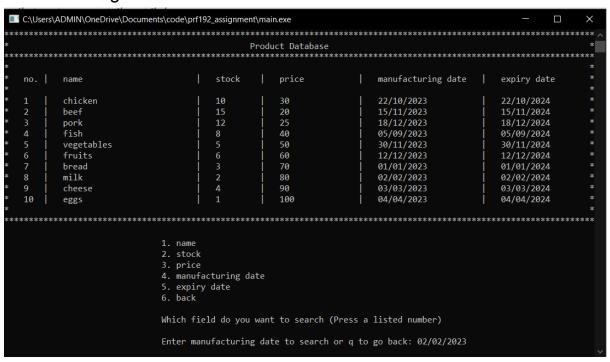


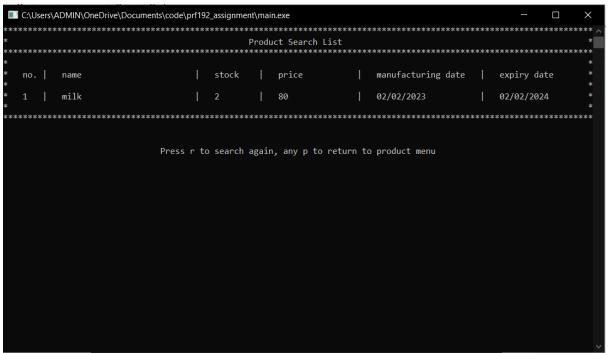
3. price



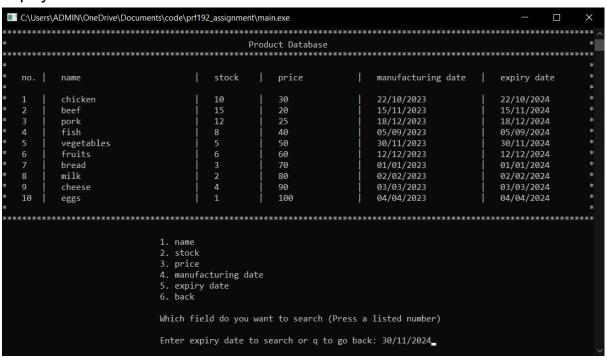


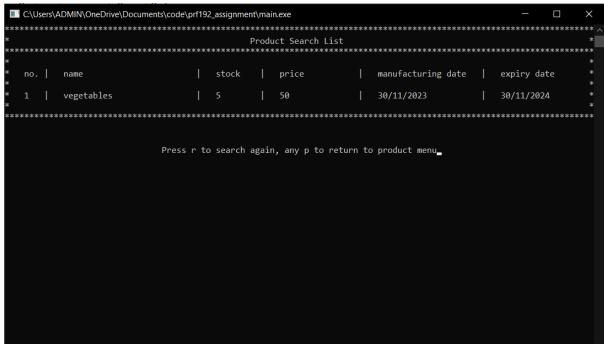
4. manufacturing date



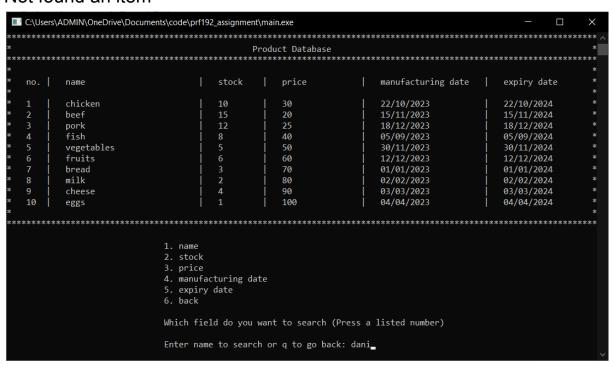


5. expiry date



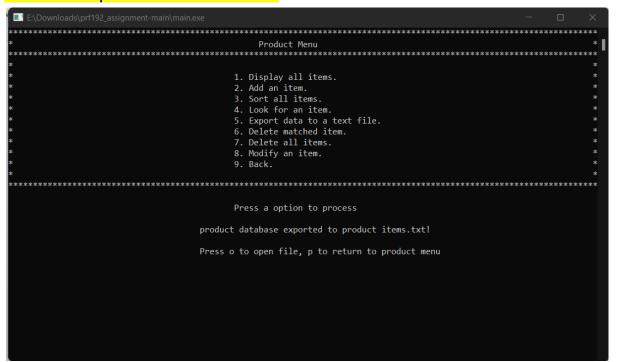


6. Not found an item

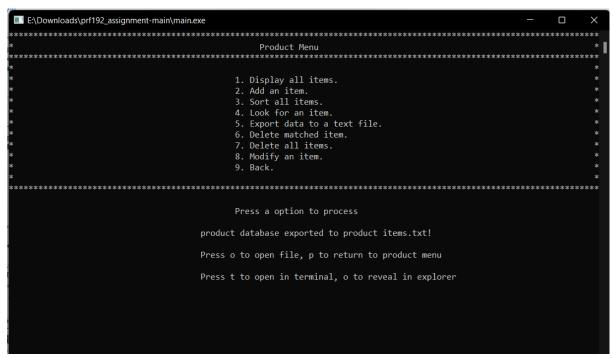


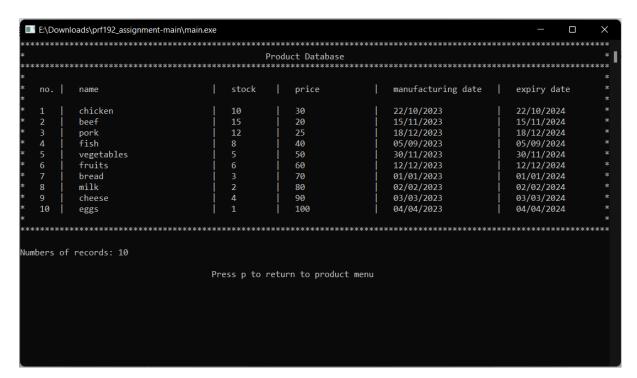
C:\Users\ADMIN\OneDrive\Doc	:uments\code\prf192_assignme	nt\main.exe			\square \times
*********	********	********	**********	*********	******
* ***********		Product Search Li	st ************	******	******
*					
* no. name	stock	price	manufacturing date	expiry da	ite *
*					*
本			***********		*
****	******	******	*****	*****	*****
		Not found!			
	Press r to search	again, any p to	return to product menu		

TASK 5: Export data to a text file.

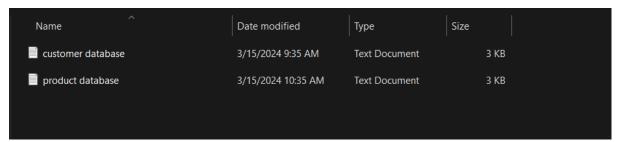


5.1 OPEN FILE IN TERMINAL

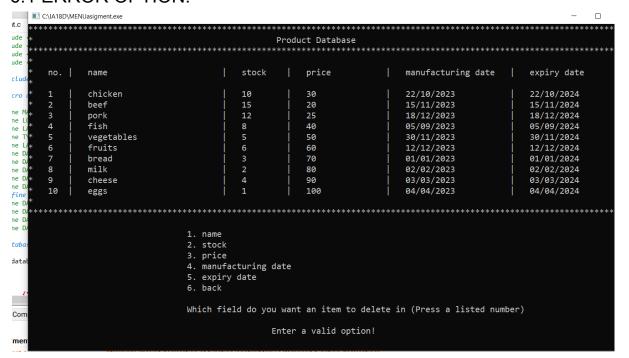




5.2 OPEN THE FILE IN DISPLAY ON EXPLORER



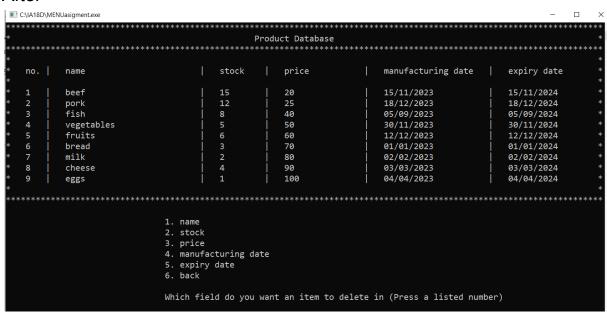
TASK 6: DELETE MATCHED ITEM 6.1 ERROR OPTION:



6.2 DELETE NAME:

Before

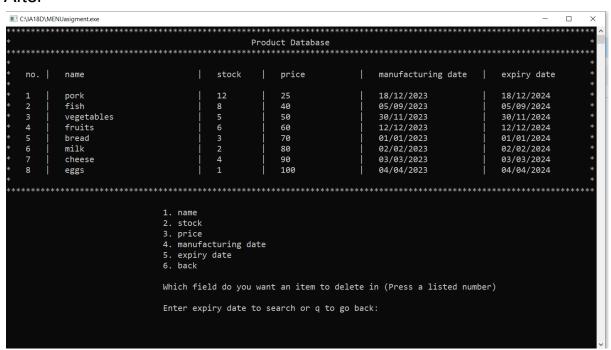
			Pr	oduct Database		
*****	*******	******	******	******	*********	*******
no.	name		stock	price	manufacturing date	expiry date
1	chicken		10	30	22/10/2023	22/10/2024
2	beef		15	20	15/11/2023	15/11/2024
3	pork		12	25	18/12/2023	18/12/2024
4	fish		8	40	05/09/2023	05/09/2024
5	vegetables		5	50	30/11/2023	30/11/2024
6	fruits		6	60	12/12/2023	12/12/2024
7	bread		3	70	01/01/2023	01/01/2024
8	milk		2	80	02/02/2023	02/02/2024
9	cheese		4	90	03/03/2023	03/03/2024
10	eggs		1	100	04/04/2023	04/04/2024
		******	*********	******	**********	*******
*****	***************************************	1. name 2. stock 3. price 4. manufac 5. expiry 6. back	cturing dat date	e		



6.3 DELETE STOCK

Before

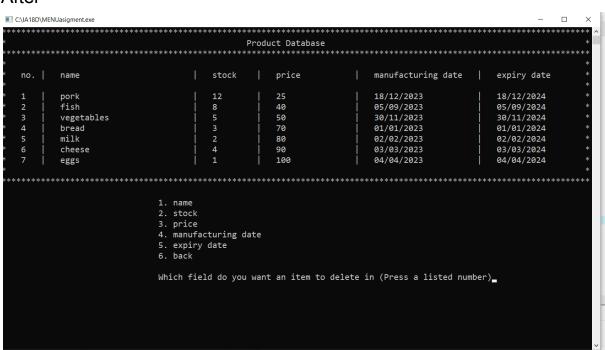
****	*******	*********	Product Database *******	**********	**********
no.	name	stock	price	manufacturing date	expiry date
1	beef	15	20	15/11/2023	15/11/2024
2 j	pork	12	25	18/12/2023	18/12/2024
3	fish	8	40	05/09/2023	05/09/2024
4	vegetables	5	50	30/11/2023	30/11/2024
5	fruits	6	60	12/12/2023	12/12/2024
5	bread	3	70	01/01/2023	01/01/2024
7	milk	2	80	02/02/2023	02/02/2024
в ј	cheese	4	90	03/03/2023	03/03/2024
e j	eggs	1	100	04/04/2023	04/04/2024
****		1. name 2. stock 3. price 4. manufacturing d 5. expiry date 6. back	ate		
		Which field do vou	want an item to	delete in (Press a listed numbe	er)



6.4 DELETE PRICE

Before

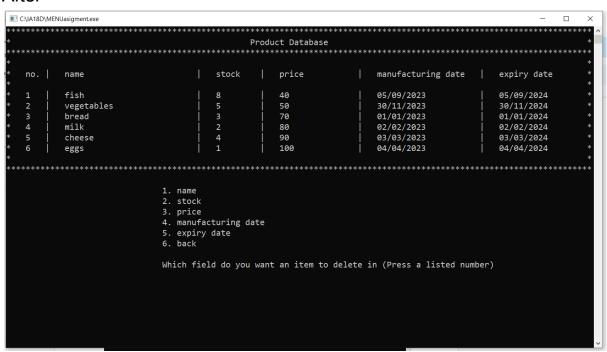
	ENUasigment.exe **********	*****	*****	*****	**********	******	****
			Pr	oduct Database			
*****	******	******	******	******	*********	******	****
no.	name		stock	price	manufacturing date	expiry date	
1	pork		12	25	18/12/2023	18/12/2024	
2	fish		8	40	05/09/2023	05/09/2024	
3	vegetables		5	50	30/11/2023	30/11/2024	
4	fruits		6	60	12/12/2023	12/12/2024	
5	bread		3	70	01/01/2023	01/01/2024	
6	milk		2	80	02/02/2023	02/02/2024	
7	cheese		4	90	03/03/2023	03/03/2024	
8	eggs	j	1	100	04/04/2023	04/04/2024	
		1. name 2. stock 3. price 4. manufact 5. expiry (e			
				ant an item to d h or q to go bac	elete in (Press a listed numbe k: 60	er)	



6.5 DELETE MANUFACTURING DATE

Before

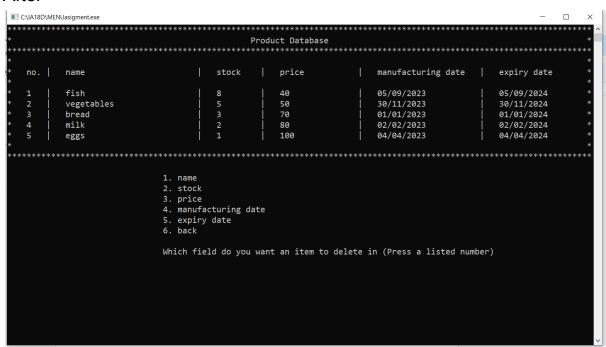
name	stock	price	manufacturing date	expiry date
pork	12	25	18/12/2023	18/12/2024
fish	8	40	05/09/2023	05/09/2024
vegetables	5	50	30/11/2023	30/11/2024
bread	3	70	01/01/2023	01/01/2024
milk	2	80	02/02/2023	02/02/2024
cheese	4	90	03/03/2023	03/03/2024
eggs	1	100	04/04/2023	04/04/2024
	 stock price manufacturing expiry date back 	; date		



6.6 DELETE EXPIRY DATE

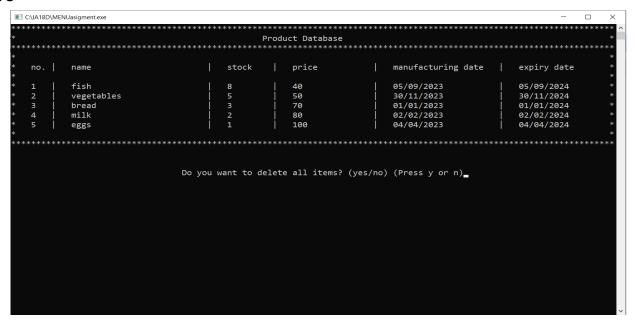
Before

	NUasigment.exe				*********	
******	******	*****		roduct Database	***********	*******
******	******	******			**********	********
no.	name		stock	price	manufacturing date	expiry date
	· .		_	1	1	1
1	fish		8	40	05/09/2023	05/09/2024
2	vegetables		5	50	30/11/2023	30/11/2024
3	bread		3	70	01/01/2023	01/01/2024
4	milk		2	80	02/02/2023	02/02/2024
5	cheese		4	90	03/03/2023	03/03/2024
6	eggs		1	100	04/04/2023	04/04/2024
		2. stock 3. price 4. manuf 5. expir 6. back	acturing dat	te		
		Which fi	eld do you w	vant an item to	delete in (Press a listed numb	ber)
		Enter ex	piry date to	search or q to	go back: 03/03/2024	



7.DELETE ALL ITEM

Before

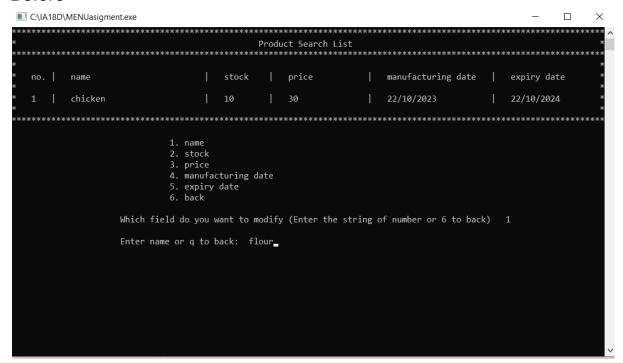


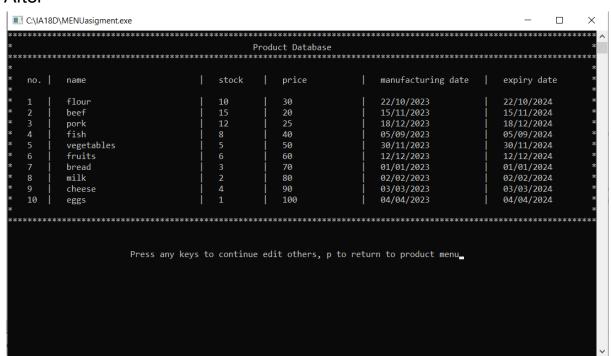


8. MODIFY ITEM

8.1 MODIFY NAME

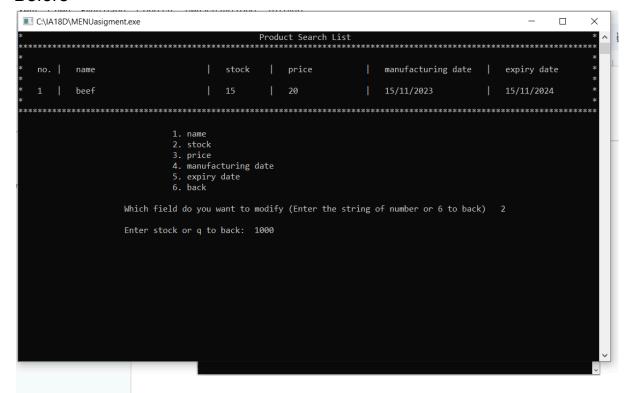
Before



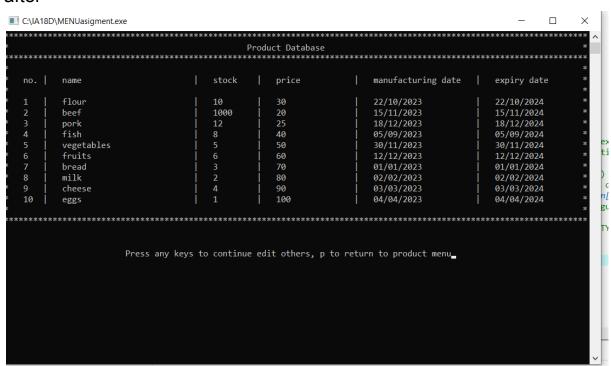


8.2 MODIFY STOCK

Before

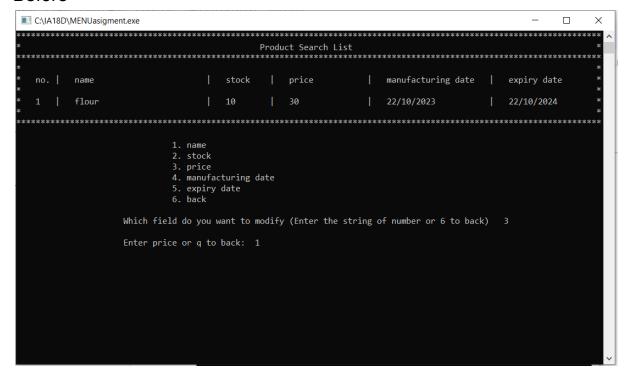


after

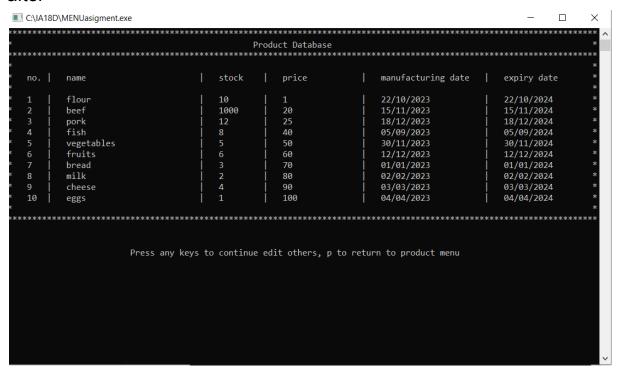


8.3 MODIFY PRICE

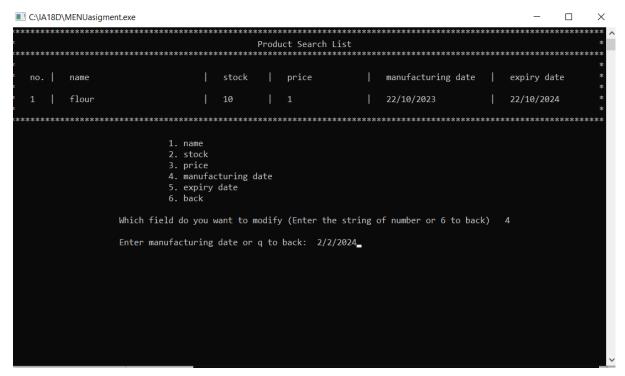
Before



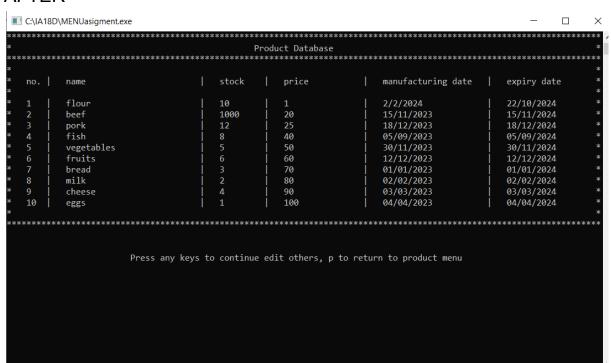
after



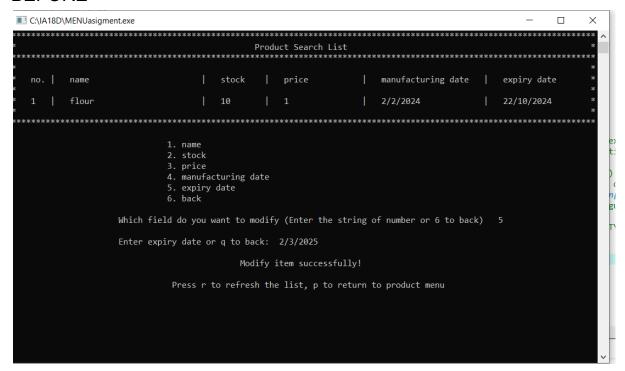
8.4 MODIFY MANUFACTURING DATE BEFORE



AFTER



8.5 MODIFY EXPIRY DATE BEFORE



AFTER

