typedef struct { } item_t;	typedef union { }contactInfo_t;	typedef struct { }itemWithCont_t;

All items will be saved into a non-text file by opening and writing it **in binary mode.**

#define NUMOFITEMS   2

#define FILENAME   "Lab11_data.bin"

/* Getting items from the user */

item_t *getItems(item_t *items, int size);

/* Printing items and its all properties*/

void printItem(item_t item);

/* Writing items into a binary file*/

int writeItems(char filename[],item_t *items, int size);

/* Reading an item from a binary file*/

item_t readAnItem(FILE *file);

/* Adding contact information for the items by item name*/

void contactInfoAdder (item_t *items, int size, itemWithCont_t contacts[]);

/* Printing items with contact information**/**

void printItemWithContactInfo(itemWithCont_t itemsWithCont);

void flushInputBuffer();

void

flushInputBuffer()

{

char tmp;

do

scanf("%c",&tmp);

while(tmp!='\n');

}

Here is the example output with 2 number of items executed 2 iterations.

```
Id =>1
Name => tv
Price =>1000
Id =>2
Name => phone
Price =>2000
Printing....
Id:    1
Name:   tv
Price:  1000.00
Id:    2
Name:   phone
Price:  2000.00
Succesfully wrote data to file
Id =>3
Name => fridge
Price =>5000
Id =>4
Name => furniture
Price =>10000
Printing....
Id:    3
Name:   fridge
Price:  5000.00
Id:    4
Name:   furniture
Price:  10000.00
Succesfully wrote data to file

Reading from file:
Id:    1
Name:   tv
Price:  1000.00
Id:    2
Name:   phone
Price:  2000.00
Id:    3
Name:   fridge
Price:  5000.00
Id:    4
Name:   furniture
Price:  10000.00

Enter the phone for tv => 5361234567
Enter a mail for tv => test@gmail.com
Enter the phone for phone => 5361234567
Enter a mail for phone => test@gmail.com
Enter the phone for fridge => 5361234567
Enter a mail for fridge => test@gmail.com
Enter the phone for furniture => 5361234567
Enter a mail for furniture => test@gmail.com

Printing with contact information....
Id:    1
Name:   tv
Price:  5000.00
Phone number: 5361234567
Mail: test@gmail.com
Id:    2
Name:   furniture
Price:  10000.00
Phone number: 5361234567
Mail: test@gmail.com
Id:    3
Name:   fridge
Price:  5000.00
Phone number: 5361234567
Mail: test@gmail.com
Id:    4
Name:   furniture
Price:  10000.00
Phone number: 5361234567
Mail: test@gmail.com
```