1. SOURCE CODE

#include<stdio.h>

struct kitchen

{

int itemid;

int quantity;

}order[100];

FILE \*fp;

int l=1, found = 0,itemid1,quantity1,i=0,a=0;

void add();

void display(int \*n1);

int main()

{

printf("Welcome to Sushma's Kitchen ! Have good day!\n");

add();

}

void add()

{

while(l != 0)

{

printf("Please enter the item id and quantity\n");

scanf("%d %d",&itemid1,&quantity1);

if(i==0)

{

order[a].itemid=itemid1;

order[a].quantity=quantity1;

}

else{

for(int g= 0; g<=i; g++)

{

if(order[g].itemid == itemid1)

{

order[g].quantity= order[g].quantity+ quantity1;

found = 1;

break;

}

}

if(found == 0)

{ a++;

order[a].quantity = quantity1;

order[a].itemid = itemid1;

}

}

printf("Enter 0 to close for the day, Press any other number to continue");

scanf("%d",&l);

if(l!=0){

i++;

found = 0;

}

}

display(&a);

}

void display(int \*n1)

{

fp=fopen("orders.txt","w");

fwrite(&order,sizeof(order),1,fp);

fclose(fp);

printf("Summary Report :\n");

printf("ItemId \tTotal quantity\n");

printf("----------------------------------\n");

fp = fopen ("orders.txt", "r");

for(int b=0;b<=\*n1;b++)

{ fread ( &order, sizeof (order), 1, fp);

printf("%d\t %d\n",order[b].itemid,order[b].quantity);

} fclose(fp);

remove("orders.txt");

}

## 

# OUTPUT

