**Coding**

#include <stdio.h>

#include <string.h>

void menu(int \*select);

void customer(char code[][3], char fname[][20], char lname[][20], int age[],int \*cnt);

void printcustomer(char code[][3], char fname[][20], char lname[][20], int age[], int cnt);

void eggprice(float price[]);

void order(char fname[][20], char lname[][20], int age[], int pos, int piece[]);

int search(char code[][3], int cnt);

void calculate(int piece[], float price[], float toegg[], float \*total);

char printorder(float toegg[], float total);

void ordertextfile(char code[][3], char fname[][20], char lname[][20], int age[], float price[], int piece[], float total, int pos, float toegg[]);

int main()

{

int age[20], cnt=0, pos, select=1, piece[8];

char code[20][3], fname[20][20], lname[20][20], exit='N', print;

float price[8], toegg[8], total;

while (select != 0)

{

menu(&select);

if (select == 1)

customer(code, fname, lname, age, &cnt);

else if (select == 2)

eggprice(price);

else if (select == 3)

{

pos = search(code, cnt);

order(fname, lname, age, pos, piece);

calculate(piece, price, toegg, &total);

print = printorder(toegg, total);

if (toupper(print) == 'Y')

ordertextfile (code, fname, lname, age, price, piece, total, pos, toegg);

}

else if (select == 4)

printcustomer(code, fname, lname, age, cnt);

else if (select == 0)

printf("Thank you, See you again.\n");

else

printf("Invalid code please try again.\n");

}

return 0;

}

void menu(int \*select)

{

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

printf("[1]Enter details of customer\n");

printf("[2]Enter price of eggs\n");

printf("[3]Enter your orders\n");

printf("[4]Print details of customer to .txt file\n");

printf("[0]Exit program\n");

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

printf("Select menu : ");

scanf("%d",&\*select);

}

void customer(char code[][3], char fname[][20], char lname[][20], int age[],int \*cnt)

{

int i;

printf("---------------Input details of customer---------------\n");

printf("Enter number of customer : ");

scanf("%d",&\*cnt);

for(i=0; i<\*cnt; i++)

{

printf("----------Customer #%d----------\n",i+1);

printf("Enter code (00-20): ");

scanf("%s",&code[i]);

printf("Enter first name : ");

scanf("%s",&fname[i]);

printf("Enter last name : ");

scanf("%s",&lname[i]);

printf("Age : ");

scanf("%d",&age[i]);

}

}

void printcustomer(char code[][3], char fname[][20], char lname[][20], int age[], int cnt)

{

int i;

FILE \*out;

out = fopen("customer.txt","w");

for(i=0; i<cnt; i++)

{

fprintf(out,"Code : %s Name : %-20s %-20s Age : %-2d\n",code[i], fname[i], lname[i], age[i]);

}

fprintf(out,"Total of customer = %d\n",cnt);

printf("----------Print to .txt file----------\n");

printf("Successful, please cheack your .txt file\n");

fclose(out);

}

void eggprice(float price[])

{

int i;

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

for(i=0; i<7; i++)

{

printf("Enter price eggs number %d (x.xx): ",i);

scanf("%f",&price[i]);

}

}

int search(char code[][3], int cnt)

{

int i=0, found, pos;

char target[3];

found=0;

printf("Code of customer (00-20) : ");

scanf("%s",&target);

while((i<cnt) && (!found))

{

if(strcmp(target,code[i]) == 0)

{

pos = i;

found = 1;

}

i++;

}

return (pos);

}

void order(char fname[][20], char lname[][20], int age[], int pos, int piece[])

{

int i;

printf("Name : %s %s Age : %d\n",fname[pos], lname[pos], age[pos]);

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

for(i=0; i<7; i++)

{

printf("Enter eggs number %d : ",i);

scanf("%d",&piece[i]);

}

}

void calculate(int piece[], float price[], float toegg[], float \*total)

{

int i;

for(i=0; i<7; i++)

{

toegg[i] = piece[i] \* price[i];

(\*total) = (\*total) + toegg[i];

}

}

char printorder(float toegg[], float total)

{

int i;

char print;

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

for(i=0; i<7; i++)

{

printf("Eggs number %d : %.2f bath\n",i ,toegg[i]);

}

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

printf("Total price : %.2f bath\n",total);

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

printf("Do you want to print order to .txt file? [Y,N] : ");

scanf(" %c",&print);

return (print);

}

void ordertextfile(char code[][3], char fname[][20], char lname[][20], int age[], float price[], int piece[], float total, int pos, float toegg[])

{

int i;

FILE \*out2;

out2 = fopen("order.txt","w");

fprintf(out2,"Code : %s Name : %s %s Age : %d\n",code[pos] ,fname[pos], lname[pos], age[pos]);

fprintf(out2,"-----------------Your order---------------\n");

for(i=0; i<7; i++)

{

fprintf(out2,"Eggs number %d : %d x %.2f = %.2f bath\n",i ,piece[i] , price[i] ,toegg[i]);

}

fprintf(out2,"----------------------------\n");

fprintf(out2,"Total price : %.2f bath\n",total);

}

**output**



