#include <stdio.h>

#include <conio.h>

#include <string.h>

#include <stdlib.h>

//define global variables

char jobIdLookup[30];

char jobNameLookup[256];

char mealIdLookup[30];

char mealNameLookup[256];

char fname[30];

char lname[30];

char job[30];

char meal[30];

int servings;

int table;

int jobId;

int mealId;

float cost;

float Gross;

float Tcost;

float discount;

float Tax=0.08;

float Vat;

//Job Info

void jobmenu()

{

if (strcmp(job, "A") == 0)

{

strcpy\_s(jobIdLookup, 30, job);

strcpy\_s(jobNameLookup, 256, "Astronaut");

jobId = 1;

}

if (strcmp(job, "S") == 0)

{

strcpy\_s(jobIdLookup, 30, job);

strcpy\_s(jobNameLookup, 256, "Science");

jobId = 2;

}

if (strcmp(job, "P") == 0)

{

strcpy\_s(jobIdLookup, 30, job);

strcpy\_s(jobNameLookup, 256, "Public Relations");

jobId = 3;

}

}

//meal info

void mealmenu()

{

if (strcmp(meal, "D") == 0)

{

strcpy\_s(mealIdLookup, 30, meal);

strcpy\_s(mealNameLookup, 256, "Date cake");

}

if (strcmp(meal, "B") == 0)

{

strcpy\_s(mealIdLookup, 30, meal);

strcpy\_s(mealNameLookup, 256, "Beef sandwich");

}

if (strcmp(meal, "C") == 0)

{

strcpy\_s(mealIdLookup, 30, meal);

strcpy\_s(mealNameLookup, 256, "Cheese sandwich");

}

if (strcmp(meal, "S") == 0)

{

strcpy\_s(mealIdLookup, 30, meal);

strcpy\_s(mealNameLookup, 256, "Strawberry dessert");

}

}

void MAY() {

if ((strcmp(fname, "RUBENS") == 0) && (strcmp(lname, "MAY") == 0) && (strcmp(job, "S") == 0) && (strcmp(meal, "D") == 0)) {

jobId = 4;

discount = 0;

Tax = 0;

Tcost = 0;

}

}

//printing table

void Table()

{

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

printf\_s("\nName : %s", lname);

printf\_s("\nJob Section : %s", jobNameLookup);

printf\_s("\nMeal : %s", mealNameLookup);

printf\_s("\nServings: %d", servings);

printf\_s("\nTable number: %d", table);

}

//Input Job

void jobenquiry() {

printf\_s("Job section\n");

printf\_s("A- Astronaut\n");

printf\_s("S- Science\n");

printf\_s("P-Public Relations\n");

printf\_s("E-Exit program\n");

do{

printf\_s("Enter a selection:\n");

fseek(stdin, 0, SEEK\_END);

scanf\_s("%c", &job);

strupr(job);

if (strcmp(job, "E") == 0)

{

exit(0);

}

if ((strcmp(job, "E") != 0) && (strcmp(job, "A") != 0) && (strcmp(job, "S") != 0) && (strcmp(job, "P") != 0)) {

printf("\nError - must be one of E,A,S,P\n\n");

}

}

while ((strcmp(job, "E") != 0) && (strcmp(job, "A") != 0) && (strcmp(job, "S") != 0) && (strcmp(job, "P") != 0));

}

//Input meal

void mealenquiry() {

printf\_s("Input the meal you want from the following menu: \n");

printf\_s("D- Date cake\n");

printf\_s("B- Beef sandwich\n");

printf\_s("C- Cheese sandwich\n");

printf\_s("S- Strawberry desert\n");

printf\_s("E- Exit program\n");

do {

printf\_s("Enter selection: \n");

fseek(stdin, 0, SEEK\_END);

scanf\_s("%c", &meal);

strupr(meal);

if (strcmp(meal, "E") == 0)

{

exit(0);

}

if ((strcmp(meal, "E") != 0) && (strcmp(meal, "D") != 0) && (strcmp(meal, "S") != 0) && (strcmp(meal, "B") != 0) && (strcmp(meal, "C") != 0)) {

printf("\nError - must be one of E.D.S.B.C\n\n");

}

}

while ((strcmp(meal, "E") != 0) && (strcmp(meal, "D") != 0) && (strcmp(meal, "S") != 0) && (strcmp(meal, "B") != 0) && (strcmp(meal, "C") != 0));

//Jane Tully

if ((strcmp(fname, "JANE") == 0) && (strcmp(lname, "TULLY") == 0) && (strcmp(meal, "S") == 0)) {

printf("\nError %s that's not in your diet ", fname);

printf("\nEnding Now");

mealenquiry();

}

}

//processing order

void order() {

do {

printf\_s("Enter the number of servings(1 to 12):\n");

fseek(stdin, 0, SEEK\_END);

scanf\_s("%d", &servings);

if (servings <= 0) {

exit(0);

}

if (servings > 12) {

printf("\*\*\*Error Invalid amount\*\*\*");

}

}

while (servings < 1 || servings > 12);

}

//input table number

void tableNo() {

do {

printf\_s("Which table are you at(1 to 32):\n");

fseek(stdin, 0, SEEK\_END);

scanf\_s("%d", &table);

if (table <= 0) {

exit(0);

}

if (table > 32) {

printf("\*\*\*Error Invalid amount\*\*\*");

}

}

while (table < 1 || table > 32);

}

//Invoice

void invoice() {

//Job

if (strcmp(job, "A") == 0) {

strcpy\_s(job, 30, "Astronaut");

jobId = 1;

if (strcmp(meal, "D") == 0) {

cost = 1.0;

}

else if (strcmp(meal, "S") == 0) {

cost = 1.0;

}

else if (strcmp(meal, "B") == 0) {

cost = 0.0;

}

else if (strcmp(meal, "C") == 0) {

cost = 0.0;

}

}

if (strcmp(job, "S") == 0) {

strcpy\_s(job, 30, "Science");

jobId = 2;

if (strcmp(meal, "D") == 0) {

cost = 5.0;

}

else if (strcmp(meal, "S") == 0) {

cost = 7.41;

}

else if (strcmp(meal, "B") == 0) {

cost = 5.50;

}

else if (strcmp(meal, "C") == 0) {

cost = 4.90;

}

}

if (strcmp(job, "P") == 0) {

strcpy\_s(job, 30, "Public Relations");

jobId = 3;

if (strcmp(meal, "D") == 0) {

cost = 6.0;

}

else if (strcmp(meal, "S") == 0) {

cost = 7.50;

}

else if (strcmp(meal, "B") == 0) {

cost = 6.5;

}

else if (strcmp(meal, "C") == 0) {

cost = 7.0;

}

}

//getting info from meal info

mealmenu();

//astronaut

if (jobId == 1) {

Gross = cost\*servings;

Tax = 0;

if (servings >= 3) {

discount = Gross\*0.05;

Tcost = Gross - discount;

}

else {

discount = 0;

Tcost = Gross;

}

}

//science

if (jobId == 2) {

Gross = cost\*servings;

Tax = 0;

if (servings >= 3) {

discount = Gross\*0.05;

Tcost = Gross - discount;

}

else {

discount = 0;

Tcost = Gross;

}

}

//public relations

if (jobId == 3) {

Gross = cost\*servings;

if (servings >= 3) {

discount = (Gross\*0.05);

Tax = (Gross - discount)\*0.08;

Tcost = Gross - discount + Tax;

}

else {

discount = 0;

Tax = Gross\*0.08;

Tcost = Gross + Tax;

}

}

if (jobId=4){

void MAY();

}

//table

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

printf\_s("\nName : %s%5s", fname,lname);

printf\_s("\nJob Section : %s", job);

printf\_s("\nMeal : %s", mealNameLookup);

printf\_s("\nServings : %d", servings);

printf\_s("\nTable number : %d", table);

//printf\_s("\nProduct Cost: %d", &servings);

printf\_s("\nProduct Cost : %.2f", cost);

printf\_s("\nGross Cost : %.2f", Gross);

printf\_s("\nDiscount : %.2f", discount);

printf\_s("\nTax : %.2f", Tax);

printf\_s("\nTotal Cost : %.2f\n", Tcost);

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

if (strcmp(job, "Astronaut") == 0)

{

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

printf("%s %5s Enjoy the good tucker\n", fname, lname);

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

}

else if (strcmp(job, "Science") == 0)

{

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

}

else if (strcmp(job, "Public Relations") == 0)

{

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

}

printf("\n");

}

int main() {

do {

printf("\nWelcome to the Bake-off food system\n");

printf("\nPlease input your name: ");

fseek(stdin, 0, SEEK\_END);

scanf\_s("%s %5s", fname, 30, lname, 30);

strupr(fname);

strupr(lname);

jobenquiry();

jobmenu();

mealenquiry();

mealmenu();

order();

tableNo();

invoice();

}

//}

while (strcmp(meal,"E")!=0 );

\_getch();

return 0;

}