#include<stdio.h>

#include<time.h>

#include<string.h>

void grand\_total(float,int);

struct menu

{

char name\_dish[50];

float price;

int sl;

}

indian[30],chinese[30],italian[30],thai[30],m[20];

int main()

{

// INDIAN FOOD MENU

strcpy(indian[0].name\_dish,"Steam Rice");

indian[0].price=50.0;

indian[0].sl=1;

strcpy(indian[1].name\_dish,"Curd Rice");

indian[1].price=120.0;

indian[1].sl=2;

strcpy(indian[2].name\_dish,"Jeera Rice");

indian[2].price=120.0;

indian[2].sl=3;

strcpy(indian[3].name\_dish,"Veg-Pulaow");

indian[3].price=130.0;

indian[3].sl=4;

strcpy(indian[4].name\_dish,"Alu jeera");

indian[4].price=150.0;

indian[4].sl=5;

strcpy(indian[5].name\_dish,"Pannir Makhani");

indian[5].price=160.0;

indian[5].sl=6;

strcpy(indian[6].name\_dish,"Mashroom Mashala");

indian[6].price=160.0;

indian[6].sl=7;

strcpy(indian[7].name\_dish,"Chicken Mashala");

indian[7].price=180.0;

indian[7].sl=8;

strcpy(indian[8].name\_dish,"Mutton Mashala");

indian[8].price=295.0;

indian[8].sl=9;

strcpy(indian[9].name\_dish,"Prown Chilli");

indian[9].price=250.0;

indian[9].sl=10;

strcpy(indian[10].name\_dish,"Crab Mashala");

indian[10].price=305.0;

indian[10].sl=11;

strcpy(indian[11].name\_dish,"Fish Curry");

indian[11].price=150.0;

indian[11].sl=12;

strcpy(indian[12].name\_dish,"Tandoori Roti");

indian[12].price=15.0;

indian[12].sl=13;

strcpy(indian[13].name\_dish,"Tawa Roti");

indian[13].price=15.0;

indian[13].sl=14;

strcpy(indian[14].name\_dish,"Butter Naan");

indian[14].price=25.0;

indian[14].sl=15;

strcpy(indian[15].name\_dish,"Plain Naan");

indian[15].price=20.0;

indian[15].sl=16;

strcpy(indian[16].name\_dish,"Garlic Naan");

indian[16].price=25.0;

indian[16].sl=17;

strcpy(indian[17].name\_dish,"Paratha");

indian[17].price=15.0;

indian[17].sl=18;

strcpy(indian[18].name\_dish,"Alu Paratha");

indian[18].price=25.0;

indian[18].sl=19;

strcpy(indian[19].name\_dish,"Panner Paratha");

indian[19].price=35.0;

indian[19].sl=20;

// CHINESE FOOD MENU

strcpy(chinese[0].name\_dish,"Veg-Fried Rice");

chinese[0].price=135.0;

chinese[0].sl=1;

strcpy(chinese[1].name\_dish,"Shezwan Rice");

chinese[1].price=135.0;

chinese[1].sl=2;

strcpy(chinese[2].name\_dish,"Singapore Rice");

chinese[2].price=135.0;

chinese[2].sl=3;

strcpy(chinese[3].name\_dish,"Hong Kong Rice");

chinese[3].price=135.0;

chinese[3].sl=4;

strcpy(chinese[4].name\_dish,"Chicken hongkong");

chinese[4].price=185.0;

chinese[4].sl=5;

strcpy(chinese[5].name\_dish,"Dragon chicken");

chinese[5].price=185.0;

chinese[5].sl=6;

strcpy(chinese[6].name\_dish,"Devils chicken");

chinese[6].price=185.0;

chinese[6].sl=7;

strcpy(chinese[7].name\_dish,"Mashroom Salt & Pepper");

chinese[7].price=125.0;

chinese[7].sl=8;

strcpy(chinese[8].name\_dish,"Butter Garlic Prawn");

chinese[8].price=235.0;

chinese[8].sl=9;

strcpy(chinese[9].name\_dish,"Fish in Salt & Pepper");

chinese[9].price=135.0;

chinese[9].sl=10;

strcpy(chinese[10].name\_dish,"Burnt Garlic Soup");

chinese[10].price=95.0;

chinese[10].sl=11;

strcpy(chinese[11].name\_dish,"Monchow Soup");

chinese[11].price=95.0;

chinese[11].sl=12;

strcpy(chinese[12].name\_dish,"Hot & Sour Soup");

chinese[12].price=95.0;

chinese[12].sl=13;

strcpy(chinese[13].name\_dish,"Lemon & Coriender Soup");

chinese[13].price=95.0;

chinese[13].sl=14;

strcpy(chinese[14].name\_dish,"Lung Soup");

chinese[14].price=95.0;

chinese[14].sl=15;

strcpy(chinese[15].name\_dish,"Cream Soup");

chinese[15].price=95.0;

chinese[15].sl=16;

strcpy(chinese[16].name\_dish,"Hakka Noodles");

chinese[16].price=165.0;

chinese[16].sl=17;

strcpy(chinese[17].name\_dish,"Chilly Garlic Noodles");

chinese[17].price=165.0;

chinese[17].sl=18;

strcpy(chinese[18].name\_dish,"E-Fu Noodles");

chinese[18].price=165.0;

chinese[18].sl=19;

strcpy(chinese[19].name\_dish,"Chinese Chopsuey");

chinese[19].price=195.0;

chinese[19].sl=20;

// ITALIAN FOOD MENU

strcpy(italian[0].name\_dish,"focaccia");

italian[0].price=100.0;

italian[0].sl=1;

strcpy(italian[1].name\_dish,"Margaritta pizza");

italian[1].price=140.0;

italian[1].sl=2;

strcpy(italian[2].name\_dish,"pasta");

italian[2].price=120.0;

italian[2].sl=3;

strcpy(italian[3].name\_dish,"risotto");

italian[3].price=190.0;

italian[3].sl=4;

strcpy(italian[4].name\_dish,"Antipasto");

italian[4].price=200.0;

italian[4].sl=5;

strcpy(italian[5].name\_dish,"Tiramisu");

italian[5].price=240.0;

italian[5].sl=6;

strcpy(italian[6].name\_dish,"Chicken Pizza");

italian[6].price=160.0;

italian[6].sl=7;

strcpy(italian[7].name\_dish,"Mashroom pizza");

italian[7].price=160.0;

italian[7].sl=8;

strcpy(italian[8].name\_dish,"Pannir Pizza");

italian[8].price=150.0;

italian[8].sl=9;

strcpy(italian[9].name\_dish,"Cannoli");

italian[9].price=170.0;

italian[9].sl=10;

strcpy(italian[10].name\_dish,"Carbonara");

italian[10].price=180.0;

italian[10].sl=11;

strcpy(italian[11].name\_dish,"Fra diavolo Sauce");

italian[11].price=190.0;

italian[11].sl=12;

strcpy(italian[12].name\_dish,"Gnocchi");

italian[12].price=240.0;

italian[12].sl=13;

strcpy(italian[13].name\_dish,"Lasagne");

italian[13].price=240.0;

italian[13].sl=14;

strcpy(italian[14].name\_dish,"Caprese Salad");

italian[14].price=140.0;

italian[14].sl=15;

strcpy(italian[15].name\_dish,"Spaghetti");

italian[15].price=220.0;

italian[15].sl=16;

strcpy(italian[16].name\_dish,"Gelato");

italian[16].price=155.0;

italian[16].sl=17;

strcpy(italian[17].name\_dish,"Ravioli");

italian[17].price=149.0;

italian[17].sl=18;

strcpy(italian[18].name\_dish,"Panna Cotta");

italian[18].price=110.0;

italian[18].sl=19;

strcpy(italian[19].name\_dish,"Polenta");

italian[19].price=210.0;

italian[19].sl=20;

// THAI FOOD MENU

strcpy(thai[0].name\_dish,"Omelet on Rice");

thai[0].price=200.0;

thai[0].sl=1;

strcpy(thai[1].name\_dish,"Thai Fried Rice");

thai[1].price=210.0;

thai[1].sl=2;

strcpy(thai[2].name\_dish,"Thai Biryani");

thai[2].price=220.0;

thai[2].sl=3;

strcpy(thai[3].name\_dish,"Thai Curry");

thai[3].price=200.0;

thai[3].sl=4;

strcpy(thai[4].name\_dish,"Khanom Chin");

thai[4].price=230.0;

thai[4].sl=5;

strcpy(thai[5].name\_dish,"Pad Thai");

thai[5].price=200.0;

thai[5].sl=6;

strcpy(thai[6].name\_dish,"Pad Mee");

thai[6].price=200.0;

thai[6].sl=7;

strcpy(thai[7].name\_dish,"The Thai Salad");

thai[7].price=200.0;

thai[7].sl=8;

strcpy(thai[8].name\_dish,"The Thai Basil");

thai[8].price=200.0;

thai[8].sl=9;

strcpy(thai[9].name\_dish,"Param");

thai[9].price=200.0;

thai[9].sl=10;

strcpy(thai[10].name\_dish,"Goong Tod");

thai[10].price=200.0;

thai[10].sl=11;

strcpy(thai[11].name\_dish,"Fresh Rolls");

thai[11].price=200.0;

thai[11].sl=12;

strcpy(thai[12].name\_dish,"Chicken Satay");

thai[12].price=200.0;

thai[12].sl=13;

strcpy(thai[13].name\_dish,"Moo Yaang");

thai[13].price=200.0;

thai[13].sl=14;

strcpy(thai[14].name\_dish,"Tom Yum");

thai[14].price=200.0;

thai[14].sl=15;

strcpy(thai[15].name\_dish,"Tom Kah");

thai[15].price=210.0;

thai[15].sl=16;

strcpy(thai[16].name\_dish,"Wonton Soup");

thai[16].price=210.0;

thai[16].sl=17;

strcpy(thai[17].name\_dish,"Larb Gai");

thai[17].price=210.0;

thai[17].sl=18;

strcpy(thai[18].name\_dish,"Yum Num");

thai[18].price=210.0;

thai[18].sl=19;

strcpy(thai[19].name\_dish,"Som Tum");

thai[19].price=210.0;

thai[19].sl=20;

int i,ch,c1;

int no\_of\_plates;

float amt=0.0;

char name[50],c;

do{

printf("\n\n --- WELCOME TO THE RESTAURANT --- \n\n The type of cousin you would like to have: \n\n 1.Indian\n 2.Chinese\n 3.Italian\n 4.Thai\n");

int choice;

scanf("%d",&choice);

switch (choice)

{

case 1:

printf("\n\n < INDIAN >\n\n");

for(i=0;i<20;i++)

{

printf("%d. %s %10.2f\n",indian[i].sl,indian[i].name\_dish,indian[i].price);

}

do

{

printf("\nEnter your choice with reference to serial no.\n");

scanf("%d",&ch);

printf("\nEnter the no. of plates: \n");

scanf("%d",&no\_of\_plates);

strcpy(m[c1].name\_dish,indian[ch-1].name\_dish);

m[c1].sl=no\_of\_plates;

m[c1].price=indian[ch-1].price;

c1++;

amt+=no\_of\_plates\*indian[ch-1].price;

printf("Do you want to order more from INDIAN ? Y|N \n");

scanf("%s",&c);

}while(c=='Y'||c=='y');

break;

case 2:

printf("\n\n < CHINESE >\n\n");

for(i=0;i<20;i++)

{

printf("%d. %s %15.2f\n",chinese[i].sl,chinese[i].name\_dish,chinese[i].price);

}

do

{

printf("\nEnter your choice with reference to your serial no.\n");

scanf("%d",&ch);

printf("\nEnter the no. of plates: \n");

scanf("%d",&no\_of\_plates);

strcpy(m[c1].name\_dish,chinese[ch-1].name\_dish);

m[c1].sl=no\_of\_plates;

m[c1].price=chinese[ch-1].price;

c1++;

amt+=no\_of\_plates\*chinese[ch-1].price;

printf("Do you want to order more from CHINESE ? Y|N \n");

scanf("%s",&c);

}while(c=='Y'||c=='y');

break;

case 3:

printf("\n\n < ITALIAN >\n");

for(i=0;i<20;i++)

{

printf("%d. %s %10.2f\n",italian[i].sl,italian[i].name\_dish,italian[i].price);

}

do

{

printf("\nEnter your choice with reference to your serial no.\n");

scanf("%d",&ch);

printf("\nEnter the no. of plates: \n");

scanf("%d",&no\_of\_plates);

strcpy(m[c1].name\_dish,italian[ch-1].name\_dish);

m[c1].sl=no\_of\_plates;

m[c1].price=italian[ch-1].price;

c1++;

amt+=no\_of\_plates\*italian[ch-1].price;

printf("Do you want to order more from ITALIAN ? Y|N \n");

scanf("%s",&c);

}while(c=='Y'||c=='y');

break;

case 4:

printf("\n\n < THAI >\n");

for(i=0;i<20;i++)

{

printf("%d. %s %10.2f\n",thai[i].sl,thai[i].name\_dish,thai[i].price);

}

do

{

printf("\nEnter your choice with reference to your serial no.\n");

scanf("%d",&ch);

printf("\nEnter the no. of plates: \n");

scanf("%d",&no\_of\_plates);

strcpy(m[c1].name\_dish,thai[ch-1].name\_dish);

m[c1].sl=no\_of\_plates;

m[c1].price=thai[ch-1].price;

c1++;

amt+=no\_of\_plates\*thai[ch-1].price;

printf("Do you want to order more from THAI ? Y|N \n");

scanf("%s",&c);

}while(c=='Y'||c=='y');

break;

default:

printf("\nInvalid choice\n");

break;

}

printf("Would you like to order from any other cousin ? Y|N \n");

scanf("%s",&c);

}while(c=='Y' || c=='y');

grand\_total(amt,c1);

return (0);

}

void grand\_total(float price,int c1)

{

printf("\n\n\n \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\n\n");

time\_t t=time(NULL);

struct tm \*tm=localtime(&t);

printf("\t\t%s\n",asctime(tm));

for(int i=0;i<c1;i++)

{

printf(" %s \t %d \t %10.2f\n",m[i].name\_dish,m[i].sl,m[i].sl\*m[i].price);

}

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

printf("\n Bill: %0.2f\n",price);

float total\_bill=0;

total\_bill+=price;

float gst=(total\_bill+(total\_bill\*0.05));

printf(" GST: %0.2f\n",total\_bill\*0.05);

printf(" --------------------------");

printf("\n Grand total: %0.2f\n",gst);

printf("\n \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");

printf("\n\n @\*\*\*\*PLEASE PAY YOUR BILL AT THE COUNTER\*\*\*\*@");

printf("\n\n \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* \n\n");

printf(" THANK YOU ");

printf("\n\n :)VISIT US AGAIN(: ");

printf("\n\n \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* \n\n");

}