

COURSE PROJECT TITLE



A Course Project Report in the course

Problem Solving with Programming

School of Computer Science & Artificial Intelligence

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TEAM-1

PROJECT DESCRIPTION

Develop a C Application for online billing of cloth store.

Store the details of customer entered in terms of (shop name, type of clothes, number of items)

Store the data using array type variable.

Provide the functionality for below mentioned:

1. Read the given input number from user to enter in to chosen shopping mall.

2. Sort the given data according to:

- > Shopping mall name

- > Type of clothes

- > Number of items

- > Price of clothes

- > Discount for the clothes

- > Total bill

Knowledge required to develop this application:

- > Control statements (Switch)

- > Loop statements (do while, for)

- > Arrays (1-Array)

TEAM-10

PROJECT CODE

```
#include<stdio.h> void
```

```
main(){
```

```
int ch=-1, sel , i=0,count=0,p;
```

```
float noi,totalcost[500],totalbill=0;
```

```
printf("\n_____ \n");
```

```
printf("                                \n"); printf("
WELCOME TO                                \n"); printf("
PRIME CORNER ONLINE PRODUCTS            \n");
```

```
printf("_____ \n");
```

```
do{
```

```
printf("\n\nMAIN MENU:\n\n");
```

```
printf("PRESS 1:To Order from DUBAI MALL\n\n");
```

```
printf("PRESS 2:To Order from GOLDEN RESOURCE MALL\n\n");
```

```
printf("PRESS 3:To Order from MALL OF EMIRATES\n\n");
```

```
printf("PRESS 4:To Order from THE MALL OF AMERICA \n\n");
```

```
printf("PRESS 5:To Order from SM MEGAMALL\n\n");
```

```
printf("Make your main menu selection: ");
```

```
scanf("%d",&sel);    switch(sel){    case 1:
```

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

```

        printf("
WELCOME TO DUBAI MALL
");

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

        printf("\nNOTE:DISCOUNT WILL BE APPLIED ONLY AFTER CHOOSING THE
PRODUCT\n\n");

        printf("PRESS 1:To Order KURTA PYJAMA[RS.1500](20%% Discount)\n\n");
        printf("PRESS 2:To Order JEANS[RS.1000](10%% Discount)\n\n");
        printf("PRESS 3:To Order DENIM JACKETS[RS.2000]\n\n");
        printf("PRESS 4:To Order BLAZERS[RS.1500](20%% Discount)\n");
        printf("\nMake your sub-menu selection:");
        scanf("%d",&ch);

        switch(ch)
        {

                case 1:
                        printf("\nOriginal Amount of 1 KURTA PYJAMA=1500\n");
                        printf("\nEnter no.of Items you Want:");
                        scanf("%f",&noi);

                        printf("\nDiscount Amount=%f",noi*300);
                                totalcost[i++]=noi*1500*0.8;
                                count++;

                        break;

                case 2:

                        printf("\nOriginal Amount of 1 JEANS=1000\n");
                        printf("\nEnter no.of Items you Want:");
                        scanf("%f",&noi);

                        printf("\nDiscount Amount=%f",noi*100);
                                totalcost[i++]=noi*1000*0.9;
                                count++;

                        break;

```

case 3:

```
printf("\nOriginal Amount of 1 DENIM JACKET=2000\n");
printf("\nEnter no.of Items you Want:");
scanf("%f",&noi);
printf("Discount Amount=%f",noi*0);
totalcost[i++]=noi*2000;
count++;
break;
```

case 4:

```
printf("\nOriginal Amount of 1 BLAZER=1500\n");
printf("\nEnter no.of Items you Want:");
scanf("%f",&noi);
printf("\nDiscount Amount=%f",noi*300);
totalcost[i++]=noi*1500*0.8;
count++;
break;
```

default:

```
printf("\n SORRY.....Wrong Selection.....please select among listed options.....\n");
```

```
}
```

```
break;
```

case 2:

```
printf("\n-----\n");
printf("                                WELCOME TO GOLDEN RESOURCE MALL
");
printf("\n-----\n");
printf("\nNOTE:DISCOUNT WILL BE APPLIED ONLY AFTER CHOOSING THE PRODUCT\n\n");
printf("PRESS 1:To Order KURTA PYJAMA[RS.1200]\n");
```

```
printf("PRESS 2:To Order HOODIE[RS.900](10%% Discount)\n");
printf("PRESS 3:To Order POLO SHIRT[RS.1400](15%% Discount)\n");
printf("PRESS 4:To Order DENIM JACKETS[RS.1600](10%% Discount)\n");
```

```
printf("\nMake your sub-menu selection: ");
scanf("%d",&ch);
```

```
switch(ch)
```

```
{
```

```
    case 1:
```

```
        printf("\nOriginal Amount of 1 KURTA PYJAMA=1200\n");
```

```
        printf("\nEnter no.of Items you Want:");
```

```
scanf("%f",&noi);
```

```
        printf("\nDiscount Amount=%f",noi*0);
```

```
        totalcost[i++]=noi*1200;
```

```
        count++;
```

```
break;
```

```
    case 2:
```

```
        printf("\nOriginal Amount of 1 HOODIE=900\n");
```

```
        printf("\nEnter no.of Items you Want:");
```

```
scanf("%f",&noi);
```

```
        printf("\nDiscount Amount=%f",noi*90);
```

```
        totalcost[i++]=noi*900*0.9;
```

```
        count++;
```

```
break;
```

```
    case 3:
```

```
        printf("\nOriginal Amount of 1 POLO SHIRT=1400\n");
```

```
        printf("\nEnter no.of Items you Want:");
```

```
scanf("%f",&noi);
```

```

        printf("\nDiscount Amount=%f",noi*210);
        totalcost[i++]=noi*1400*0.85
        ;    count++;    break;

        case 4:
            printf("\nOriginal Amount of 1 DENIM JACKET=1600\n");
            printf("\nEnter no.of Items you Want:");
scanf("%f",&noi);

            printf("\nDiscount Amount=%f",noi*160);
            totalcost[i++]=noi*1600*0.9;
            count++;

        break;

        default:
            printf("\n SORRY.....Wrong Selection.....please select among listed options.....\n");

            }

        break;

        case 3:
            printf("\n-----
            -----");
            printf("                                WELCOME TO THE MALL OF EMIRATES
            ");
            printf("\n-----
            -----\n");
            printf("\nNOTE:DISCOUNT WILL BE APPLIED ONLY AFTER CHOOSING THE
            PRODUCT\n\n");

            printf("PRESS 1:To Order FLANNEL SHIRT[RS.999](5%% Discount)\n");
            printf("PRESS 2:To Order T-SHIRTS[RS.350](NO Discount)\n"); printf("PRESS
            3:To Order TOPCOATS[RS.666](9%% Discount)\n"); printf("PRESS 4:To Order
            BLAZERS[RS.1999](15%% Discount)\n");

```

```

printf("\nMake your sub-menu selection:"); scanf("%d",&ch);

switch(ch)
{
    case 1:
        printf("\nOriginal Amount of 1 FLANNEL SHIRTS=999\n");
        printf("\nEnter no.of Items you Want:");
scanf("%f",&noi);

        printf("\nDiscount Amount=%f",noi*49.95);
        totalcost[i++]=noi*999*0.95;
        count++;

break;

        case 2:
            printf("\nOriginal Amount of 1 T-SHIRT=350\n");
            printf("\nEnter no.of Items you Want:");
scanf("%f",&noi);

            printf("\nDiscount Amount=%f",noi*0);
            totalcost[i++]=noi*350;
            count++;

break;

        case 3:
            printf("\nOriginal Amount of 1 TOP-COAT=666\n");
            printf("\nEnter no.of Items you Want:");
scanf("%f",&noi);

            printf("\nDiscount Amount=%f",noi*59.94);
            totalcost[i++]=noi*666*0.91; count++;

            break;

        case 4:

```



```

                                printf("\nOriginal Amount of 1 BLAZER=1999\n");
printf("\nEnter no.of Items you Want:");
scanf("%f",&noi);
printf("\nDiscount Amount=%f",noi*299.85);

                                totalcost[i++]=noi*1999*0.85;
                                count++;

break;

                                default:

printf("\n SORRY.....Wrong Selection.....please select among listed options.....\n");

                                }

                                break;

case 4:

                                printf("\n-----\n");
                                printf("                                WELCOME TO THE MALL OF AMERICA
");

                                printf("\n-----\n");
                                printf("\nNOTE:DISCOUNT WILL BE APPLIED ONLY AFTER CHOOSING THE
PRODUCT\n\n");

                                printf("PRESS 1:To Order TRENCH COAT[RS.1999](25%% Discount)\n");
                                printf("PRESS 2:To Order BLAZER[RS.1700](10%% Discount)\n");
                                printf("PRESS 3:To Order DENIM JACKETS[RS.999]\n"); printf("PRESS 4:To
                                Order POLO SHIRT[RS.1250]\n");

                                printf("\nMake your sub-menu selection: "); scanf("%d",&ch);

```

```

switch(ch)
{
    case 1:
        printf("\nOriginal Amount of 1 TRENCH COAT=1999\n");
        printf("\nEnter no.of Items you Want:");
scanf("%f",&noi);

        printf("\nDiscount Amount=%f",noi*499.75);
        totalcost[i++]=noi*1999*0.75;
        count++;

break;

    case 2:
        printf("\nOriginal Amount of 1 BLAZER=1700\n");
        printf("\nEnter no.of Items you Want:");
scanf("%f",&noi);

        printf("\nDiscount Amount=%f",noi*170);
        totalcost[i++]=noi*1700*0.9;
        count++;

break;

    case 3:
        printf("\nOriginal Amount of 1 DENIM=999\n");
        printf("\nEnter no.of Items you Want:");
scanf("%f",&noi);

        printf("\nDiscount Amount=%f",noi*0);
        totalcost[i++]=noi*999;
        count++;

        break; case
    4:
        printf("\nOriginal Amount of 1 POLO SHIRT=1250\n");

```

```

        printf("\nEnter no.of Items you Want:");
scanf("%f",&noi);

        printf("\nDiscount Amount=%f",noi*0);
        totalcost[i++]=noi*1250;
        count++;

break;

        default:

                                printf("\n SORRY.....Wrong Selection.....please select among
listed options.....\n");

                                }

                                break;

case 5 :

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

                                printf("                                WELCOME TO SM MEGA MALL

");

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

        printf("\nNOTE:DISCOUNT WILL BE APPLIED ONLY AFTER CHOOSING THE
PRODUCT\n\n");

        printf("PRESS 1:To Order SWEATER[RS.899](10 %%Discount)\n");
        printf("PRESS 2:To Order BEANIES[RS.399]\n");
        printf("PRESS 3:To Order DENIM JACKETS[RS.2759](15%% Discount)\n");
        printf("PRESS 4:To Order HAWAIIAN SHIRT[RS.559]\n");

        printf("\nMake your sub-menu selection: "); scanf("%d",&ch);

        switch(ch)

```

```

        {
            case 1:
                printf("\nOriginal Amount of 1 SWEATERS=899\n");
                printf("\nEnter no.of Items you Want:");
scanf("%f",&noi);

                printf("\nDiscount Amount=%f",noi*89.9);
                totalcost[i++]=noi*899*0.9;
                count++;

break;

            case 2:
                printf("\nOriginal Amount of 1 BEANIES=399\n");
                printf("\nEnter no.of Items you Want:");
scanf("%f",&noi);

                printf("\nDiscount Amount=%f",noi*0);
                totalcost[i++]=noi*399;
                count++;

break;

            case 3:
                printf("\nOriginal Amount of 1 DENIM JACKET=2759\n");
                printf("\nEnter no.of Items you Want:");
scanf("%f",&noi);

                printf("\nDiscount Amount=%f",noi*413.85);
                totalcost[i++]=noi*1500*0.85;
                count++;

                break;

            case 4:
                printf("\nOriginal Amount of 1 HAWAIIAN SHIRT=559\n");
                printf("\nEnter no.of Items you Want:");
scanf("%f",&noi);

```

```

        printf("\nDiscount Amount=%f",noi*0);
        totalcost[i++]=noi*559;
        count++;

break;

        default:

        printf("\n SORRY.....Wrong Selection.....please select among
listed options.....\n");

        }

        break;

        default:

        printf("\n\n.....ENTERED INCORRECT OPTION.....\n\n");
}

printf("\n\n IF YOU WANT TO CONTINUE PRESS 1 \n");
printf("\n ELSE ENTER ANY OTHER KEY TO SHOW THE BILL:");
scanf("%d",&p);

}while(p==1);
for(i=0;i<count;i++){

        printf("\n\n Bill Amount for order:%d =%f",i+1,totalcost[i]);
totalbill+=totalcost[i];

}

```

```
printf("\n\n Bill Amount for all orderd items   =%f",totalbill);
```

```
printf("\n_____ \n");
printf("_____");
printf("                ");
printf("                THANK YOU FOR USING OUR PRIME CORNER ONLINE CLOTH STORE \n");
printf("                HAVE A NICE DAY....VISIT AGAIN...                \n");
printf("\n_____ \n");
}
```

OUTPUT:-

RESULT-1:

```
_____
_____
                WELCOME TO
                PRIME CORNER ONLINE PRODUCTS
_____
_____
```

MAIN MENU:

PRESS 1:To Order from DUBAI MALL

PRESS 2:To Order from GOLDEN RESOURCE MALL

PRESS 3:To Order from MALL OF EMIRATES

PRESS 4:To Order from THE MALL OF AMERICA

PRESS 5:To Order from SM MEGAMALL

Make your main menu selection: 1

WELCOME TO DUBAI MALL

NOTE:DISCOUNT WILL BE APPLIED ONLY AFTER CHOOSING THE PRODUCT

PRESS 1:To Order KURTA PYJAMA[RS.1500](20% Discount)

PRESS 2:To Order JEANS[RS.1000](10% Discount)

PRESS 3:To Order DENIM JACKETS[RS.2000]

PRESS 4:To Order BLAZERS[RS.1500](20% Discount)

Make your sub-menu selection:2

Original Amount of 1 JEANS=1000

Enter no.of Items you Want:2

Discount Amount=200.000000

IF YOU WANT TO CONTINUE PRESS 1

ELSE ENTER ANY OTHER KEY TO SHOW THE BILL:1

MAIN MENU:

PRESS 1:To Order from DUBAI MALL

PRESS 2:To Order from GOLDEN RESOURCE MALL

PRESS 3:To Order from MALL OF EMIRATES

PRESS 4:To Order from THE MALL OF AMERICA

PRESS 5:To Order from SM MEGAMALL

Make your main menu selection: 3

WELCOME TO THE MALL OF EMIRATES

NOTE:DISCOUNT WILL BE APPLIED ONLY AFTER CHOOSING THE PRODUCT

PRESS 1:To Order FLANNEL SHIRT[RS.999](5% Discount)

PRESS 2:To Order T-SHIRTS[RS.350](NO Discount)

PRESS 3:To Order TOPCOATS[RS.666](9% Discount)

PRESS 4:To Order BLAZERS[RS.1999](15% Discount)

Make your sub-menu selection:3

Original Amount of 1 TOP-COAT=666

Enter no.of Items you Want:4

Discount Amount=239.760000

IF YOU WANT TO CONTINUE PRESS 1

ELSE ENTER ANY OTHER KEY TO SHOW THE BILL:3

Bill Amount for order:1 =1800.000000

Bill Amount for order:2 =2424.239990

Bill Amount for all orderd items =4224.240234

THANK YOU FOR
USING OUR PRIME CORNER ONLINE CLOTH STORE
HAVE A NICE DAY....VISIT AGAIN...

RESULT- 2 :-

WELCOME TO
PRIME CORNER ONLINE PRODUCTS

MAIN MENU:

PRESS 1:To Order from DUBAI MALL

PRESS 2:To Order from GOLDEN RESOURCE MALL

PRESS 3:To Order from MALL OF EMIRATES

PRESS 4:To Order from THE MALL OF AMERICA

PRESS 5:To Order from SM MEGAMALL

Make your main menu selection: 7

.....ENTERED INCORRECT OPTION.....

IF YOU WANT TO CONTINUE PRESS 1

ELSE ENTER ANY OTHER KEY TO SHOW THE BILL:1

MAIN MENU:

PRESS 1:To Order from DUBAI MALL

PRESS 2:To Order from GOLDEN RESOURCE MALL

PRESS 3:To Order from MALL OF EMIRATES

PRESS 4:To Order from THE MALL OF AMERICA

PRESS 5:To Order from SM MEGAMALL

Make your main menu selection: 9

.....ENTERED INCORRECT OPTION.....

IF YOU WANT TO CONTINUE PRESS 1

ELSE ENTER ANY OTHER KEY TO SHOW THE BILL:1

MAIN MENU:

PRESS 1:To Order from DUBAI MALL

PRESS 2:To Order from GOLDEN RESOURCE MALL

PRESS 3:To Order from MALL OF EMIRATES

PRESS 4:To Order from THE MALL OF AMERICA

PRESS 5:To Order from SM MEGAMALL

Make your main menu selection: 3

WELCOME TO THE MALL OF EMIRATES

NOTE: DISCOUNT WILL BE APPLIED ONLY AFTER CHOOSING THE PRODUCT

PRESS 1: To Order FLANNEL SHIRT[RS.999](5% Discount)

PRESS 2: To Order T-SHIRTS[RS.350](NO Discount)

PRESS 3:To Order TOPCOATS[RS.666](9% Discount)

PRESS 4:To Order BLAZERS[RS.1999](15% Discount)

Make your sub-menu selection:2

Original Amount of 1 T-SHIRT=350

Enter no.of Items you Want:4

Discount Amount=0.000000

IF YOU WANT TO CONTINUE PRESS 1

ELSE ENTER ANY OTHER KEY TO SHOW THE BILL:1

MAIN MENU:

PRESS 1:To Order from DUBAI MALL

PRESS 2:To Order from GOLDEN RESOURCE MALL

PRESS 3:To Order from MALL OF EMIRATES

PRESS 4:To Order from THE MALL OF AMERICA

PRESS 5:To Order from SM MEGAMALL

Make your main menu selection: 5

WELCOME TO SM MEGA MALL

NOTE:DISCOUNT WILL BE APPLIED ONLY AFTER CHOOSING THE PRODUCT

PRESS 1:To Order SWEATER[RS.899](10 %Discount)

PRESS 2:To Order BEANIES[RS.399]

PRESS 3:To Order DENIM JACKETS[RS.2759](15% Discount)

PRESS 4:To Order HAWAIIAN SHIRT[RS.559]

Make your sub-menu selection: 2

Original Amount of 1 BEANIES=399

Enter no.of Items you Want:6

Discount Amount=0.000000

IF YOU WANT TO CONTINUE PRESS 1

ELSE ENTER ANY OTHER KEY TO SHOW THE BILL:5

Bill Amount for order:1 =1400.000000

Bill Amount for order:2 =2394.000000

Bill Amount for all orderd items =3794.000000

USING OUR PRIME CORNER ONLINE CLOTH STORE

HAVE A NICE DAY....VISIT AGAIN...

THANK YOU FOR

TEAM-10