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Course: CSE110 Problem Solving C Programming

PROGRAMMING TASK

Develop a menu driven program for Restaurant with price for each item given in the menu with

schedule. Print the bill for the quantity ordered with customer details.

Task for Neeraj : Display the item with price.

Task for abhiram : Print the bill for the order placed.

Description of task:

Abhiram : Here I have to print the bill for what the customer has ordered. So here I used a switch statement which directs the program to the particular case which the customer has chosen. This will be repeated again and again until the Customer chooses Exit statement by 7th choice. Once the customer chooses the Exit statement the bill of the Customer's order along with the amount to be paid will be printed below

Program:

```c
#include <stdlib.h>

#include <stdio.h>

#define BURGER_PRICE 159.00

#define FRIES_PRICE  99.00

#define PIZZA_PRICE  299.00

#define JUICE_PRICE  129.00

#define HOTDOG_PRICE 259.00

#define TACOS_PRICE  199.00


main()

{


int choice = 0;

double totalPrice = 0;


printf("Welcome to Marina Restaurant!\n");

printf("May I take your order ? \n\n");


do{

printf("Menu: \n\n");
```

```c
printf("1. Burger      Rs.%.2lf \n", BURGER_PRICE);

printf("2. Fries       Rs.%.2lf \n", FRIES_PRICE);

printf("3. Pizza       Rs.%.2lf \n", PIZZA_PRICE);

printf("4. Juice       Rs.%.2lf \n", JUICE_PRICE);

printf("5. HotDog      Rs.%.2lf \n", HOTDOG_PRICE);

printf("6. Tacos       Rs.%.2lf \n", TACOS_PRICE);

printf("7. Exit\n\n");

printf("Enter an item: ");

scanf("%i", &choice);


switch(choice){

case 1:

totalPrice += BURGER_PRICE;

break;

case 2:

totalPrice += FRIES_PRICE;

break;

case 3:

totalPrice += PIZZA_PRICE;

break;

case 4:
```

```c
totalPrice += JUICE_PRICE;

break;

case 5:

totalPrice += HOTDOG_PRICE;

break;

case 6:

totalPrice += TACOS_PRICE;

break;

case 7:

printf("Thank you for ordering at Marina Restaurant! \n");

break;

default:

printf("* Error:  This is not on the menu. \n");

break;

}


printf("Total so far: Rs.%.2lf\n\n", totalPrice);

} while (choice != 7);


printf("Your order amount is Rs.%.2lf \n\n", totalPrice);

printf("\tThank you for Coming to Marina Restaurant.\n");
```

```c
printf("\t\t\t  Have a Nice Day!!\n");

printf("\t\t\tPlease Visit Again :) :)\n");

printf("\t\t+===========================+");

}
```

Output:

Welcome to Marina Restaurant!

May I take your order ?

Menu:

1. Burger   Rs.159.00

2. Fries   Rs.99.00

3. Pizza   Rs.299.00

4. Juice   Rs.129.00

5. HotDog   Rs.259.00

6. Tacos   Rs.199.00

7. Exit

Enter an item: 3

Total so far: Rs.299.00

Menu:

1. Burger   Rs.159.00

2. Fries   Rs.99.00

3. Pizza   Rs.299.00

4. Juice   Rs.129.00

5. HotDog   Rs.259.00

6. Tacos   Rs.199.00

7. Exit

Enter an item: 4

Total so far: Rs.428.00

Menu:

1. Burger   Rs.159.00

2. Fries   Rs.99.00

3. Pizza   Rs.299.00

4. Juice   Rs.129.00

5. HotDog   Rs.259.00

6. Tacos   Rs.199.00

7. Exit

Enter an item: 7

Thank you for ordering at Marina Restaurant!

Total so far: Rs.428.00

Your order amount is Rs.428.00

Thank you for Coming to Marina Restaurant.

Have a Nice Day!!

Please Visit Again :) :)

+=============================+