COMSATS RESTAURANT

A RESTAURANT BILLING SYSTEM

CODE
BREAKDOWN

```
                   Welcome To Comsats Restaurant

Enter your name: ANEEQ

          Food Menu

_____


          Appetizers

1.LASAGNE 60/-
2.MARGARITA 50/-
3.SPAGHETTI 40/-


          Main Course

4.SHAHI BIRYANI 100/-
5.BEEF QOURMA 150/-
6.CHICKEN TIKKA 120/-


          Fast Food

7.PIZZA 200/-
8.BURGER 150/-
```

⟵ WELCOME SCREEN

```
------------------------------
          Appetizers

1.LASAGNE 60/-
2.MARGARITA 50/-
3.SPAGHETTI 40/-
          Main Course

4.SHAHI BIRYANI 100/-
5.BEEF QOURMA 150/-
6.CHICKEN TIKKA 120/-
          Fast Food

7.PIZZA 200/-
8.BURGER 150/-
------------------------------
Press 1. Add Menu
Press 2. Order
Press any key to Exit
```

ORDER MENU

```
------------------------------
Press 1. Add Menu
Press 2. Order
Press any key to Exit

Your Choice: 2

Select the menu number: 1

Enter quantity:  2
Do you want to change your Order ?
Press 1. Change Order
Press any key to continue.
```

INPUT

```
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Name: ANEEQ

Customer ID: 1

Food Order ID: 1

Previous Total: 0

Total price: 120

------------------------------
```

RECIEPT

```
Exit: Press Any key

          *****THANK YOU*****

Prepared By

Name              Reg ID          Section
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```

```
lelcome To Comsats Restaurant$"

9,"Food Menu",10,13,"$"

-------------------------------",."$"

9,"Appetizers$"
"1.LASAGNE 60/-",10,13,"2.MARGARITA 50/-",10,13,"

9,"Main Course$"
"4.SHAHI BIRYANI 100/-",10,13,"5.BEEF QOURMA 150/

9,"Fast Food$"
"7.PIZZA 200/-",10,13,"8.BURGER 150/-$"

"-------------------------------",."$"
```

```
        lea si, nameArr

        int 21h

inputName:

        cmp al, 13
        je start

        mov [si], al

        inc si

        int 21h

        jmp inputName
```

```
;customer strings and data

    nameArr db 100 dup('$')

    customerID db 1

    foodOrderID db 0

    c1 db 10,13,10,13," Enter your name: $"

    c2 db 10,13,10,13," Name: $"

    c3 db 10,13,10,13," Customer ID: $"

    c4 db 10,13,10,13," Food Order ID: $"
```

```
Enter your name: AIMISH
              Food Menu
--------------------------------

              Appetizers

1.LASAGNE 60/-
2.MARGARITA 50/-
3.SPAGHETTI 40/-

              Main Course

4.SHAHI BIRYANI 100/-
5.BEEF QOURMA 150/-
6.CHICKEN TIKKA 120/-

              Fast Food

7.PIZZA 200/-
```

```
-----------------------------
Press 1. Add Menu
Press 2. Order
Press any key to Exit

Your Choice: 1

There is no more than 8 items, but you can add one.

To add press 1 or press 2 to get back to menu: 1

Enter Food name: ROSH

        Price: 500_
```

```
            Appetizers

1.LASAGNE 60/-
2.MARGARITA 50/-
3.SPAGHETTI 40/-

            Main Course

4.SHAHI BIRYANI 100/-
5.BEEF QOURMA 150/-
6.CHICKEN TIKKA 120/-

            Fast Food

7.PIZZA 200/-
8.BURGER 150/-
9.ROSH 500/-


-----------------------------
```

```
str10 dw 10,13,"Press 1. Add Menu",10,13,"Press 2. Order",10,13,"Press any key to Exit $"

str11 dw 10,13,10,13,"Your Choice: $"

str12 dw 10,13,10,13, "There is no more than 8 items, but you can add one.$"

str13 dw 10,13,10,13, "To add press 1 or press 2 to get back to menu: $"

str14 dw 10,13,10,13, "Enter Food name: $"
str15 dw 10,13,10,13,9,"Price: $"

str16 dw "/-$"
```

```
start1:
        mov ah, 9
        lea dx,str2
        int 21h


        mov ah,9
        lea dx, str3
        int 21h

        Lea dx,str4
        int 21h

        lea dx,str5
        int 21h

        lea dx, str6
        int 21h

        lea dx, str7
        int 21h

        lea dx, str8
        int 21h


        mov ah,2

        mov dl, 10
        int 21h

        mov dl, 13
        int 21h

        mov ah,2
        mov dl,' '
        int 21h


        mov dl,v
        add dl, 48
        int 21h

        mov ah,2
        mov dl,'.'
        int 21h


        mov dx,offset var1
        mov ah,9
        int 21h

        mov ah,2
        mov dl,' '
        int 21h
```

```
        mov dl,v
        add dl, 48
        int 21h

        mov ah,2
        mov dl,'.'
        int 21h

        mov dx,offset var1
        mov ah,9
        int 21h

        mov ah,2
        mov dl,' '
        int 21h

        xor ax,ax
        mov ax,nprice
        call decimalOutput


        mov ah,9
        Lea dx,str16
        int 21h

        mov ah, 9
        lea dx,str9
        int 21h

        mov ah, 9
        lea dx, str10
        int 21h

        mov ah, 9
        lea dx, str11
        int 21h

        mov ah, 1
        int 21h

        mov choice, al

        cmp choice, 50
        jne menuadd
```

```
menuadd:
        cmp choice, 49
        jne FExit

        inc v

        mov ah,9
        Lea dx,str12
        int 21h

        mov ah,9
        Lea dx,str13
        int 21h

        mov ah,1
        int 21h
        cmp al,32h
        je menu

        mov ah,9
        Lea dx,str14
        int 21h

        mov si,offset var1
l1:
        mov ah,1
        int 21h
        cmp al,13
        je print
        mov [si],al
        inc si
        jmp l1

print:
        call price
```

```
--------------------------------
Press 1. Add Menu
Press 2. Order
Press any key to Exit

Your Choice: 2

Select the menu number: 1

Enter quantity:  2
Do you want to change your Order ?
Press 1. Change Order
Press any key to continue.
```

```
--------------------------------
Name: SAIFULLAH

Customer ID: 1

Food Order ID: 1

Previous Total: 0

Total price: 160
--------------------------------
```

```asm
decimalInput proc

    push bx
    push cx
    push dx
inputStart:

    mov ah, 2
    mov dl, ' '
    int 21h

    xor bx, bx
    xor cx, cx

    mov ah, 1
    int 21h

    cmp al, '-'
    je minus

    cmp al, '+'
    je plus
    jmp repeat

minus:
    mov cx, 1
plus:
    int 21h

repeat:

    cmp al, '0'
    jnge nonDigit
    cmp al, '9'
    jnle nonDigit

    and ax, 000fh
    push ax

    mov ax,10
    mul bx
    pop bx
    add bx, ax

    mov ah, 1
    int 21h
    cmp al, 0dh
    jne repeat

    mov ax, bx
    or cx, cx

    je exit
    neg ax

exit:
```

```asm
decimalOutput proc

    push  ax
    push  bx
    push  cx
    push  dx

    or ax, ax
    jge IF

    push ax
    mov dl, ' '
    mov ah, 2
    int 21h
    pop ax
    neg ax

IF:

    xor cx, cx
    mov  bx, 10d

loopRepeat:

    xor dx, dx
    div bx
    push dx
    inc cx


    or  ax, ax
    jne   loopRepeat

    mov    ah, 2

printLoop:

    pop  dx
    or dl, 30h
    int 21h
    loop  printLoop

    pop dx
    pop cx
    pop bx
    pop ax

    ret
decimalOutput endp
```

Our Team
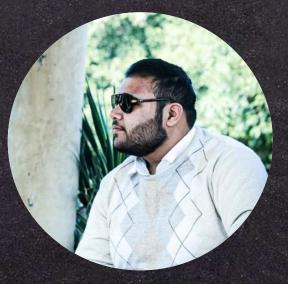
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