```c
#include <stdio.h>

#include <windows.h>



int token = 0,tokens[50],payment_counter=0;

int main_page()

{

   int i;

   system("cls");

   system("color 0B");



   printf("\n\n\n\n\n\t\t      @@_@_\n\t\t        `'*'  Welcome to Sarovar Portico
\n\t\t\t\t\t\t\t`'*'`-@@_@\n\n");


   printf("\n\n\n\n\t\t\t    Quality food.Serves good. (^_^)\n\n                    ");

   for (i=0;i<36;i++)
    {

      printf("~");

    }

   printf("\n");

   printf("      tasty          $                                   $\n");

   printf("                     $    Select any of them -         $\n");

   printf("      and            $                                   $\n");

   printf("                     $    1. New Order.                $\n");

   printf("     hygenic         $                                   $\n");

   printf("                     $    2. Bill Payment.             $\n");

   printf("     foods at        $                                   $\n");

   printf("                     $    3. Exit.                     $");

   printf("\n");

   printf("     low cost..      $                                   $\n");

   printf("                     $                                   $\n");

   printf("     GRAB NOW !!      ");
   for (i=0;i<36;i++)
    {
      printf("~");
    }
   printf("\n\n\n\n                        Enter Your Choice: ");
   int n;
   scanf("%d",&n);
   return n;
}
int menu_order()
{

   int arID[10],decision,arqty[10],Bill[10],counter=0;
   work:
   system("cls");
   system("color 4F");
   printf("\n\t\t\t\tFOOD MENU\n\t\t\t\t---------\n");
   printf("\n\tBUNS :\n\n");
   printf("\t1. Burger ...................... 120/=\t  \n");
   printf("\t2. Hot Dog ..........................  40/=\n");
   printf("\t3. Donuts ...........................  70/=\t \n");
   printf("\t4. French Fries (FnF Pack) ..........  90/=\t \n");
   printf("\t\t\t\t\t\t\t \n\n\tCHICKEN :\n\n");
   printf("\t5. Chicken Nuggets ...................  90/=\n");
   printf("\t6. Chicken Wings ....................  65/=\n");
   printf("\n\tDESSERTS :\n\t\t\t\t\t\t\t \n");
   printf("\t7. Ice Cream ........................  65/=\t  \n");
   printf("\t8. Sweets ........................... 230/=\t \n");
   printf("\n\tDRINKS :\n\n");
   printf("\t9.  Coca-Cola ........................ 25/=\n");
```

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  printf("\t10. Mirinda   ....................... 25/=\n");
  printf("\n\n\tOrder your dish: (Enter 0 to finish order)\n");


  for(;;)
  {
    counter++;
    printf("\t Enter Food ID: ");
    scanf("%d",&arID[counter-1]);
    if(arID[counter-1]==0)
    {
      break;
    }
    printf("\t Enter Quantity: ");
    scanf("%d",&arqty[counter-1]);
  }
  system("cls");
 printf("\n\n\n\n\n\n\n\n\n\n\t\tThanks for your order. We are getting ready the
dishes.\n\t\tUntil then, have some selfies with friends. Enjoy!\n\n\n\n\n\t\t\t  <Enter
1 to check your bill>\n\t\t\tEnter your choice: ");


  scanf("%d",&decision);
  printf("\n\n\n\n\n\n\n\n");


  counter--;


  if(decision==1)
  {
    bill_show(arID,arqty,counter);
  }

  else if(decision==2)
  {
   goto work;
  }

  else if(decision==3)
  {
    main();
  }
}

void bill_show(int arID[],int arqty[],int counter)
{
  int n;
  system("cls");
  system("color B0");

  int i,sum=0;
  int costs[10]={120,40,70,90,90,65,65,230,25,25};
  char items[10][16]={"Burger","Hot Dog","Donuts","French Fries","Chicken
Nuggets","Chicken Wings","Ice Cream","Sweets","Coca-Cola","Mirinda"};
  printf("\n\nYour Bill:\n\n\n\t\tItem(s)\t\t    Quantity\t\t   Cost\n\n\n\n");

  for(i=0;i<counter;i++)
  {
    printf("\t%2d. %-16s ________\t%-5d piece(s) ____ %7d\n",i+1,items[arID[i]-
1],arqty[i],arqty[i]*costs[arID[i]-1]);
    sum=sum+(costs[arID[i]-1]*arqty[i]);
  }

  printf("\n\n\n\n\t\t\t\t\t\t\t  Total = %d\n\n\n\n",sum);
  token++;
  tokens[token]=sum;

  printf("\tYour token number is %d. Use this token while paying the
bill.\n\n\n\n\n\t\t\t<enter (1) to give another order>\n\n\t\t\t<enter (2) to go to
the main menu>\n\n\t\n\t\t\tEnter your choice: ",token);
```

```
    scanf("%d",&n);
    printf("\n\n\n");
    if(n==1)
    {
        menu_order();
    }
    else if(n==2)
    {
         main();
    }
}

void bill_Payment()
{
    int k,i,cash,changer,n;
    redo:
    payment_counter++;
    system("cls");
    system("color 3F");
    printf("\n\n\n\t\t\tEnter your token number: ");
    scanf("%d",&k);
    printf("\t\t\tYour Total Bill is = %d",tokens[k]);

    work:
            printf("\n\t\t\tPay your bill: ");
            scanf("%d",&cash);
           changer = cash-tokens[k];
    if(changer == 0)
    {
        printf("\n\t\tThanks for your payment. Have a great day!\n");
    }
    else if (changer<0)
    {
```

```
    system("cls");
    printf("\n\t\t\tAmount is not sufficient. :(\n\t\tPlease pay the fair price of your bill\n");
    goto work;
  }
  else
  {
    printf("\n\n\n\t\tHere is your change: (%d - %d) = %d Tk.\n\t\t ",cash,tokens[k],changer);

      for(i=0;i<19;i++)
      {
        printf("_");
      }
      if(changer>=2000 )
        {printf("\n\t\t2000 Tk. note(s) = %d\n",changer/2000);
        changer=changer%2000;}
      if(changer>=500 && changer<2000)
      {printf("\n\t\t 500 Tk. note(s) = %d\n",changer/500);
      changer=changer%500;}
      if(changer>=100 && changer<500)
      {printf("\n\t\t 100 Tk. note(s) = %d\n",changer/100);
      changer= changer%100;}
      if(changer>=50 && changer<100)
      {printf("\n\t\t  50 Tk. note(s) = %d\n",changer/50);
      changer=changer%50;}
       if(changer>=10 && changer<50)
      {printf("\n\t\t  10 Tk. note(s) = %d\n",changer/10);
      changer=changer%10;}
      if(changer>=5 && changer<10)
      {printf("\n\t\t   5 Tk. note(s) = %d\n",changer/5);
      changer=changer%5;}
      if(changer>=2 && changer<5)
      {printf("\n\t\t   2 Tk. note(s) = %d\n",changer/2);
      changer=changer%2;}
      if(changer>=1 && changer<2)
      {printf("\n\t\t   1 Tk. note(s) = %d\n",changer/1);
      changer=changer%1;}



      printf("\t\t  ");
      for(i=0;i<19;i++)
      {
        printf("_");
      }

    printf("\n\n\n\n\n\t\t\tThanks for your payment.\n\t\t\t    Have a great day!\n",changer);
  }
  printf("\n\n\t\t\t<Enter (1) to pay another bill.>\n\t\t\t<Enter (2) to go back main menu>\n\n\n\t\t\tEnter your choice: \t");
    scanf("%d",&n);
    if(n==2)
    {
      main();
    }
    else if(n==1)
    {
     goto redo;
    }
}



int main()
 {

  int k,j,n,d;
  k = main_page();


  if(k==1)
  {
    menu_order();
  }

  else if(k==2)
  {
    bill_Payment();
  }

  else
  {
    system("cls");
    system("color 30");
    printf("\n\n\n\n\n\t\t      @@_@_\n\t\t        `'*'`  \n\t\t\t\t\t`'*'`-@@_@\n\n");
    printf("\n\n\n\t\t\tThis session order recieved : %d\n\n",token);
    printf("\t\t\tThis session bill paid      : %d\n\n",payment_counter);
    if(payment_counter<token)
    {printf("\t\t\t\tYet to pay         : %d\n\n\n\n\n\n",token-payment_counter);}
    else
    {
      printf("\n\n\n\n\n\n");
    }
    return 0;
  }
}
```