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1  #include <stdio.h>
2  #include <stdlib.h>
3  #include<MyLibrary.h>
4  #define Highlighted 0X70
5  #define Normal 0X07
6  #define HOME 71
7  #define PAGE_UP 73
8  #define PAGE_DOWN 81
9  #define Up 72
10 #define DOWN 80
11 #define END 79
12 #define ESC 27
13 int main()
14 {
15     //LAB4
16     //3)Highlight Menu: New Colored Menu"with Arrows"
17     int i, cur = 0, ExitFlag = 0;
18     char ch, menu[3][5] = {"New", "Save", "Exit"};
19     do
20     {
21         textattr(Normal);/// screen attribute functi
22         clrscr();          /// clear screen function
23         for(i=0; i<3; i++)
24         {
25             if( i == cur )
26                 textattr(Highlighted);
27             else
28                 textattr(Normal);
29             gotoxy(10, 7+i*3);
30             _cprintf("%s", menu[i]);
31         }
32         ch = getche();
33         switch(ch)
34         {
35             case 0:
36             case -32: ///case Extended key
37                 ch = getche();///read 1 byte from buffer
38                 switch(ch)
39                 {
40                     case Up:
41                         cur--;
42                         if(cur < 0)
43                             cur = 2;
44                         break;
45                     case DOWN:
46                         cur++;
47                         if(cur > 2)
48                             cur = 0;
49                         break;
50                     case HOME:
51                     case PAGE_UP:
52                         cur =0;
53                         break;
54                     case END:
55                     case PAGE_DOWN:
56                         cur =2;
57                         break;
58                 }
59                 break;    ///break of case extended key
60             case 13:    ///case Enter
61                 if(cur == 0)
62                 {
63                     clrscr();
64                     gotoxy(10, 7);
65                     printf("this is the new page ");
66                     getch();
67                 }
68                 else if(cur == 1)
69                 {
70                     clrscr();
71                     gotoxy(10, 7);
72                     printf("this is the save page ");
73                     getch();
74                 }
75                 else    ///Exit
76                 {
77                     ExitFlag = 1;
78                 }
79                 break;
80             case ESC:
81                 ExitFlag = 1;
82                 break;
83         }
84     }while(ExitFlag == 0);

85 //2)C Program to take char and displays if it :
86 ///"Normal or Extended key"along with its Ascii
87 char ch,ch2;
88 do{
89     printf("enter a character\n");
90     ch = getche();
91     if (ch == -32)
92     {
93         printf("its extended key ");
94         ch2=getche();
95         printf("the ascii value is %d",ch2);
96     }
97     else
98     {
99         printf("\nits normal key\n");
100        printf("the ascii value is %d\n",ch);
101    }
102 }while(ch!=27);

103 ///1)C Program to take firstName and lastName
104 /// from user, then displays fullName.
105 char fname[10],lname[10],fullname[20];
106 printf("enter the first name\n");
107 gets(fname);
108 printf("enter the last name\n");
109 gets(lname);
110 strcpy(fullname,fname);
111 strcat(fullname," ");
112 strcat(fullname,lname);
113 printf("\n hello %s \n",fullname);

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