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int main()
{
    //LAB4
    ///3)Highlight Menu: New Colored Menu"with Arrows"
    int i, cur = 0, ExitFlag = 0;
    char ch, menu[3][5] = {"New", "Save", "Exit"};
do
{
    textattr(Normal);/// screen attribute function
    clrscr();          /// clear screen function
    for(i=0; i<3; i++)
    {
        if( i == cur )
            textattr(Highlighted);
        else
            textattr(Normal);

        gotoxy(10, 7+i*3);
        _cprintf("%s", menu[i]);
    }
    ch = getche();
    switch(ch)
    {
        case 0:
        case -32: ///case Extended key
            ch = getche();///read 1 byte from buffer
            switch(ch)
            {
                case Up:
                    cur--;
                    if(cur < 0)
                        cur = 2;
                    break;
                case DOWN:
                    cur++;
                    if(cur > 2)
                        cur = 0;
                    break;
                case HOME:
                    cur = 0;
                    break;
                case PAGE_UP:
                    cur = 0;
                    break;
                case END:
                    cur = 2;
                    break;
                case PAGE_DOWN:
                    cur = 2;
                    break;
            }
            break; ///break of case extended key
        case 13: ///case Enter
            if(cur == 0)
            {
                clrscr();
                gotoxy(10, 7);
                printf("this is the new page ");
                getch();
            }
            else if(cur == 1)
            {
                clrscr();
                gotoxy(10, 7);
                printf("this is the save page ");
                getch();
            }
            else ///Exit
            {
                ExitFlag = 1;
            }
            break;
        case ESC:
            ExitFlag = 1;
            break;
    }
}while(ExitFlag == 0);

///2)C Program to take char and displays if it is
///"Normal or Extended key"along with its Ascii value.
char ch,ch2;
do{
    printf("enter a character\n");
    ch = getche();
    if (ch == -32)
    {
        printf("its extended key ");
        ch2=getche();
        printf("the ascii value is %d",ch2);
    }
    else
    {
        printf("\nits normal key\n");
        printf("the ascii value is %d\n",ch);
    }
}while(ch!=27);

//1)C Program to take firstName and lastName
/// from user, then displays fullName.
char fname[10],lname[10],fullname[20];
printf("enter the first name\n");
gets(fname);
printf("enter the last name\n");
gets(lname);
strcpy(fullname,fname);
strcat(fullname," ");
strcat(fullname,lname);
printf("\n hello %s \n",fullname);
return 0;

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