Keycode for array

Input array

```c
1    #include<stdio.h>
2    #include<string.h>
3    int main(){
4        int n,add,i,j;
5        char name[20][20];
6        int ID[20];
7        int temp;
8        char temp1[20];
9        do{
10           int ot;
11           printf("\nEnter the option:");scanf("%d",&ot);
12           switch(ot)
13           {
14               case 1:
15               {
16                   printf("================Input================\n");
17                   printf("Enter the number to input: ");scanf("%d",&n);
18                   for(i=0;i<n;i++)
19                   {
20                       printf("\nPlease input the name :");scanf("%s",&name[i]);
21                       printf("\nplease input the ID :");scanf("%d",&ID[i]);
22                   }
23               }break;
```

Output array

```c
24               case 2:
25               {
26                   printf("\n================output================\n");
27                   for(i=0;i<n;i++)
28                   {
29                       printf("\n Your name is : %s ",name[i]);
30                       printf("\n Your ID is : %d",ID[i]);
31                       printf("\n================================\n");
32                   }
33               }break;
```

Search array

```c
34               case 3:
35               {
36                   printf("\n================search================\n");
37                   int ser;
38                   printf("\n Input ID to search:  "),scanf("%d",&ser);
39                   for(i=0;i<n;i++)
40                   {
41                       if(ser==ID[i])
42                       {
43                           printf("\n Your name is : %s \n Your ID is : %d ",name[i],ID[i]);
44
45                       }
46                   }
47               }break;
```

Delete array

```c
        case 4:
            {
                printf("\n==================delete================\n");
                int de,f=0;
                printf("\ninput ID to delete : ");scanf("%d",&de);
                for(i=0;i<n;i++)
                {
                    if(de==ID[i])
                    {
                        for(j=i;j<n;j++)
                        {
                            f=1;
                            ID[j]=ID[j+1];
                            strcpy(name[j],name[j+1]);
                        }
                    }
                }
                if(f==1)
                {
                    n=n-1;
                    printf("\n Your delete is success");
                }
                else
                {
                    printf("\n Your delete is error");
                }
            }break;
```

Insert array

```c
        case 5:
            {
                printf("\n==================Insert================\n");
                int g=0,in;
                printf("\n Input the ID to insert : ");scanf("%d",&in);
                for(i=0;i<n;i++){
                    if(in==ID[i])
                    {
                        for(j=n;j>i;j--)
                        {
                            g=1;
                            ID[j]=ID[j-1];
                            strcpy(name[j],name[j-1]);
                        }
                        printf("\n Input the new ID : ");scanf("%d",&ID[i]);
                        printf("\n Input the new name :");scanf("%s",&name[i]);
                        break;
                    }
                }
                if(g==0)
                {
                    printf("\n Your insert is error!!");
                }
                else
                {
                    n=n+1;
                    printf("\n Your insert is success!!");
                }
            }break;
```

Sort array

```c
        case 6:
            {
                printf("\n==================sort================\n");

                for(i=0;i<n;i++)
                {
                    for(j=0;j<(n-1)-i;j++)
                    {
                        if(ID[j]>ID[j+1])
                        {
                            temp=ID[j];
                            ID[j]=ID[j+1];
                            ID[j+1]=temp;
                            strcpy(temp1,name[j]);
                            strcpy(name[j],name[j+1]);
                            strcpy(name[j+1],temp1);
                        }
                    }
                }
                printf("=================Insert====================\n");
                for(i=0;i<n;i++)
                {
                    printf("\nYour name is : %s Your ID is : %d",name[i],ID[i]);
                }
            }break;
```

Addition array

```c
        case 7:
            {
                printf("\n=================addition==================\n");
                printf("\nEnter the number to add :");scanf("%d",&add);
                for(i=n;i<n+add;i++)
                {
                    printf("\nPlease input the name :");scanf("%s",&name[i]);
                    printf("\nplease input the ID :");scanf("%d",&ID[i]);
                }
                printf("====================add is success====================\n");
            for(i=0;i<n+add;i++)
            {
                printf("\n Your name is : %s ",name[i]);
                printf("\n Your ID is : %d",ID[i]);
            }
            }break;

    }
}while(getch()==13);
```

Thanks for watching!