

```

#include<iostream.h>

#include<conio.h>

#include<dos.h>

void main(){

restr:

clrscr();


char opt;

cout<<"\n\n\t\t- -Multi test software- -";

cout<<"\n\n\t\t1.Triangle.";

cout<<"\n\t\t2.Data saving.";

cout<<"\n\t\t3.Data searching.";

cout<<"\n\t\t4.Data sort.";

cout<<"\n\t\t5.Exit.";

cout<<"\n\n\t\tSelect option:";

opt=getch();


        //compulsare

delay(250);

cout<<".";

delay(250);

cout<<".";

delay(250);

cout<<".";

delay(250);

cout<<".";

delay(250);


        //not write danger

clrscr();

switch(opt){

```

```

case '1':

    //triangle program

retr:

clrscr();

char tp;

cout<<"\n\n\t\t- -Triangles- -";

cout<<"\n\n\t\t1.Right triangle.";

cout<<"\n\n\t\t2.Left triangle.";

cout<<"\n\n\t\t3.Back.";

cout<<"\n\n\t\tSelect option:";

tp=getch();


clrscr();

switch(tp){


                //case 1


case '1':

    cout<<"\n\n\t\t- -Right triangle- -";

    cout<<"\n\n\t\tPress enter to show triagnle:\n\n";

    getch();

    delay(250);


    //row loop

    for(int i3=1;i3<=10;i3++){

        cout<<"\t\t";

        //spaces column loop

```

```
for(int j3=i3;j3<=10;j3++){  
    cout<<" ";  
}
```

```
//column loop  
for(int k3=1;k3<=i3;k3++){  
    cout<<" \2";  
}
```

```
cout<<"\n";  
}
```

```
getch();  
goto retr;
```

```
        //case 2  
case '2':
```

```
    cout<<"\n\n\t\t\t- -Left triangle- -";  
    cout<<"\n\n\tPress enter to show triagnle:\n\n";  
    getch();  
    delay(250);
```

```
//row loop  
for(int i1=1;i1<=10;i1++){
```

```
cout<<"\t\t";
```

```
//column loop
```

```
for(int j1=1;j1<=i1;j1++){
```

```
cout<<" \5";
```

```
}
```

```
cout<<"\n";
```

```
}
```

```
getch();
```

```
goto retr;
```

```
        //case 3
```

```
case '3':
```

```
goto restr;
```

```
}
```

```
getch();
```

```
goto restr;
```

```
        ///case 2
```

```
case '2':
```

```
        //display array
```

```
clrscr();
```

```
/*for(int j=0;j<=3;j++){
    key=j;
    for(int k=j+1;k<=4;k++){
        if(arr[key]>arr[k]){
```

```

s=arr[key];
arr[key]=arr[k];
arr[k]=s;
} //condition
} //inner loop

} //loop

        //telling msg out showing
cout<<"\n\n\tValue after arranged\n";
for(int v=0;v<=4;v++){
cout<<" Value #"<<v+1<<" = "<<arr[v]<<"\n";

}*/

    ///case 3
case '3':

//data searching
clrscr();
int arr2[5];
int sop;

    //getting values
cout<<"\n\n\t\t\t- -Data searching- -\n\n";
for(int i2=0;i2<=4;i2++){
cout<<"\nEnter your value "<<i2+1<<" :";
cin>>arr2[i2];
}

cout<<"\n\n\t\tEnter which sort we use in your device \n\t\tlimit (0-4)sorts";

```

```
cout<<"\n\tChouse index:";

cin>>sop;

delay(250);

cout<<"\n\n\n\t\tYour data is placed on\n\t\t index #"<<sop<<" is="<<arr2[sop];

getch();

goto restr;
```

```

if(arr3[key3]>arr3[k3]){
s3=arr3[key3];
arr3[key3]=arr3[k3];
arr3[k3]=s3;
} //condition
} //inner loop

} //loop

//telling msg out showing
cout<<"\n\n\tValue after arranged\n";
for(int v3=0;v3<=4;v3++){
cout<<" Value #"<<v3+1<<" ="<<arr3[v3]<<"\n";

}

getch();
goto restr;

case '5':
goto exit;

}

getch();

exit:
delay(250);

```

```
cout<<"\n\n\n\n\t\t.";
delay(250);
cout<<" . ";
delay(250);
cout<<" . ";
delay(250);
cout<<"E";
delay(100);
cout<<"X";
delay(250);
cout<<"I";
delay(250);
cout<<"T";
delay(250);
cout<<" . ";
delay(250);
cout<<" . ";

delay(500);
}
```