* Active-X Control :-

An Active-X Control is an interface that can be added to any Active-X consuming application like Visual Basic or Visual C++.

Active-X control have the file name extension '.ocx' & can be used in our project by manually adding them to the tool box. Some Standard Active-X control available in learning addition of V. Basic are :-

1) Common Dialog Control :-

CDC provides a standard set of D. Boxes for operation such as opening & saving files, selecting print option & selecting colors & fonts.

2) Data Bound Combo Box (DB Combo) :-

It provides most of the features of standard combo box controls plus increase Data Access.

3) Appex Data Bound Grid (DB Grid) :-

A spread-sheet like Bound Control that display a

series of rows & columns representing records & fields from a record set object.

4) Data-Bound List Box (DB List) :-
Provides most of the features of standard list Box control plus increase Data access capability.

5) Microsoft Flex-Grid :-
Similar to DB Grid control but has a additional formatting, Grouping & Binding features as well as a customization option.

* Creating & Using an Active-X Control :-

The Active-X Control is a custom control which can be added to the tool box & used in our application. This type of control can be used in other V. Basic program as well as other Active-X program to create an active-X control. We must follow the following

Steps :

Step 1:- Start a New project select Active-X control as the project type.

Step 2:- Set the name property of project to 'Active-x button (project -> project property -> project name ; OR description of project -> Use of Active-x control (Active-x Control 1.0)).

Note :- The string given in description of project is displayed in component D.Box at the time to Adding it to tool Box.

Step 3:- Set the name property of user control to clx1 exit.

Step 4:- From Tool Box add a command button to control designer position into top left corner of the control designer.

Step 5:- Set the button's name property to 'cmdexit' set it's caption property to exit.

Step 6:- Set it's style property to graphical.

Step 7:- Add a picture to button by setting the button's picture property.

Step 8:- Move the button at the top left corner of user control.

Step 9:- Resize the ~~control~~ user control designer/ container as the same size as the button.

Step 10:- Save the file & project with specific name.

Step 11:- The file must now be converted to and .ocx file by selecting the

Page : / /

following option.
File → Make ocx file.

Step 12 :- The .ocx file may be created in specified directory & it is ready to use.

* To use Active-X Control :-

Step 1 :- Open a Standard exe project.

Step 2 :- Add the Active-X Control that we created by selecting, project → component → User control name.

Step 3: A list box appear in list box find for description of control (As active-x control 1.0).

Step 4: In the tool box ocx control will be added click on the icon of ocx control & draw the control on the form.

Step 5: Run the project.

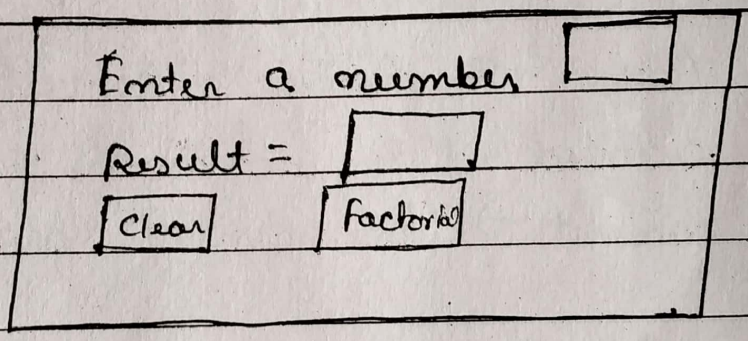
15/9/12

*Recursion

Recursion is a process in which function can call itself.

Eg:-

A program to calculate factorial of a number.




```
Private sub command1_click ()
    Text1.text = " "
    Text2.Text = " "
    end sub.

Private sub command2_click ()
    Dim a, b As integer
    a = val (Text1.text)
    b = factorial (a)
```

Teacher Signature _____