

The event-driven programming follows the following steps:-

1) The application starts & a form is loaded into memory & appears on screen.

2) The form receives an event that might be caused by the user.

Example -> Key press, Mouse click, Mouse move etc.

3) If there is a code in corresponding event procedure is executed.

4) The application waits for next event.

Some common events are given below:-

1) Key Press ->

- Key down
- Key up
- Key press

2) Mouse Related events ->

- Mouse Click
- Double click
- Mouse up
- Mouse Down
- Mouse move

- 3) Form - related events :-
- Initialize
 - Load
 - Resize
 - Activate
 - De-activate

4) Lost Focus.

5) Got Focus.

9/7/12

* RAD (Rapid Application Development)

The main problem of with computer program is the complexity, large programs are probably complicated. RAD offers a new & powerful way to solve large & complex programs with the help of pre-defined tools or control or components.

It's main goal is to write a program easily, reliable & easily maintain.

With

the help of RAD a program or application can be develop very easily & fastly with the help of pre-defined

controls & less coding. RAD is a S/w development technique that gained popularity over conventional S/w development methodology.

• The advantages of RAD are:-

- 1) Increase programming productivity.
- 2) Decrease Maintenance cost.

Application testing is generally shorter because objects are small & contain independent code & local data segment that are verified with less effort than conventional program.

* History of V-Basic

Microsoft V.B is one of the tool available for faster & easier creation of GUI application for Microsoft window. The term BASIC in visual basic refers to the popular known BASIC language used by many programmers. The V.B evolves from

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BASIC language & now contain several hundreds of statement, functions & key words which are directly related to windows GUI.

There are many versions of V.B which are given below:-

- 1) 1963 → BASIC was created by John Kam-niy & Thomas Kutz & Dartmouth College.
- 2) 1975 → Bill Gates & Paul Allen develop a version of BASIC run in Micro-computers.
- 3) 1981 → BASIC was default user interface on the IBM. If the user forgot to insert the DOS system disk ~~to~~ we can easily run a system.
- 4) 1991 → Visual Basic was 1st introduced by Microsoft corporation.

5) 1992 → Visual Basic 2.1 was released for 16-bit system.

~~6) 1993~~

6) 1993 → Visual Basic 3.0 was released for 16-bit & 32-bit system.

7) 1996 → Visual Basic 4.0 was released.

8) 1997 → Visual Basic 5.0 was released.

9) 1998 → Visual Basic 6.0 was released for 16-bit, 32-bit & 64-bit system.

10) 2000 → V.B .net was released.

4 Visual Basic Edition :- V.B is available in three editions.

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|---------------------------------------|---------------------------|
| ① V.B Learning Edition | } Design CrUI application |
| ② V.B professional Edition | |
| ③ V.B Enterprise Edition
(company) | |

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ACTIVE-X Controls → (Net use)