

Introduction To An Integrated Development Environment



Not all applications of importance to people will be produced by the software vendors. Therefore, for information technology to solve personally relevant problems, it will be necessary to construct solutions out of building blocks.



Integrated Design Environment

- ❖ The IDE is a recent development in software allowing people to construct custom solutions to problems by using the software developed by others
 - + Script and assemble parts rather than build from scratch
 - + Tremendous power and leverage
- ❖ Visual Basic 6.0 is an instance of this idea
- ❖ We will use VB6.0 for projects through out the quarter
 - Project 1 designed to familiarize us with algorithmic thinking
 - Project 1 contains four parts, all astrology related
 - + This Time -- a program written in lecture and lab
 - + Sign Finger -- a program for discussing VB6 in lecture
 - + Zodiac -- a simple homework assignment
 - + Day Find -- a homework assignment built on Zodiac

CSE 100 Topics

- ❖ At this point we switch to the VB6 environment, but for completeness, the following topics are discussed
 - ❑ Illustration of the four Project 1 applications
 - ❑ Discuss file structure briefly; create a Lecture 5 folder
 - ❑ Find Visual Basic 6.0 and initiate it
 - ❑ Save the form in the Lecture 5 folder
 - ❑ Introduce concept of object properties
 - ❑ Modify some properties of the form
 - ✦ Color
 - ✦ Caption
 - ✦ Position
 - ❑ Introduce Controls
 - ❑ Place a command button control

CSE 100 More Lecture Summary

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|---|---|
| ❖ Modify Properties of the command button | ❖ Initiate second project |
| ❖ Introduce the concept of event code | ❖ Load form and customize |
| ❖ Associate code with the click even for the command button | ❖ Introduce clock control; time |
| ❖ Introduce the message box window; place one after beep | ❖ Introduce label control and change font |
| ❖ Add the end command | ❖ Run |
| ❖ Kill the project; clean up | ❖ Code timer event |
| | ❖ Code label event w/MsgBox |
| | ❖ Test |
| | ❖ Customize window bar with the date |



More Lecture Summary

- ❖ Navigate to Icons and select
- ❖ Save Form and Project
- ❖ Introduce compilation
- ❖ Compile
- ❖ Terminate VB6
- ❖ Tour directory and inspect files
- ❖ Try the .exe code
- ❖ Move .exe code to desktop
- ❖ Save whole lecture 5 directory to floppy