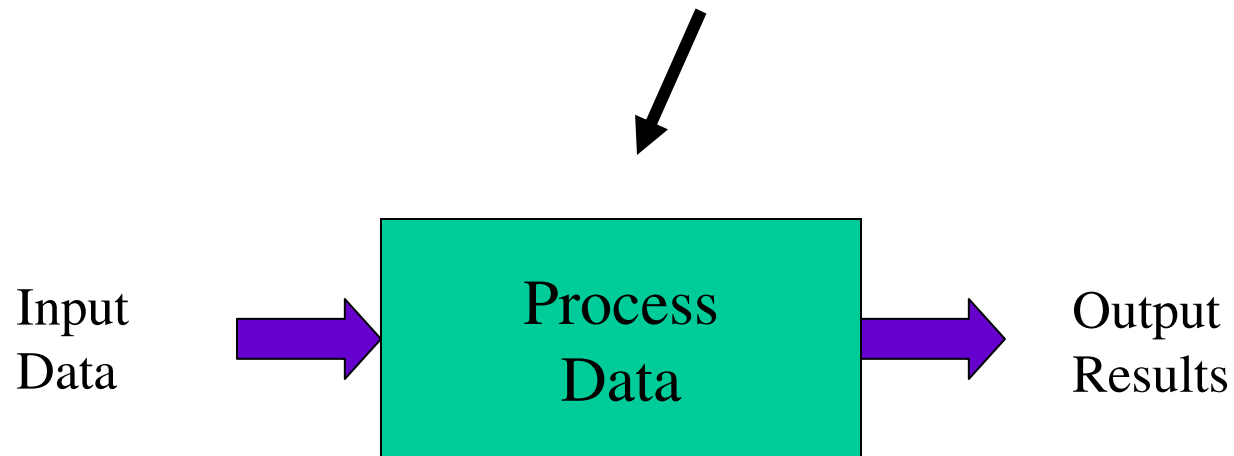


# Solving Problems

- Recall that we solve problems by writing computer instructions to process data:

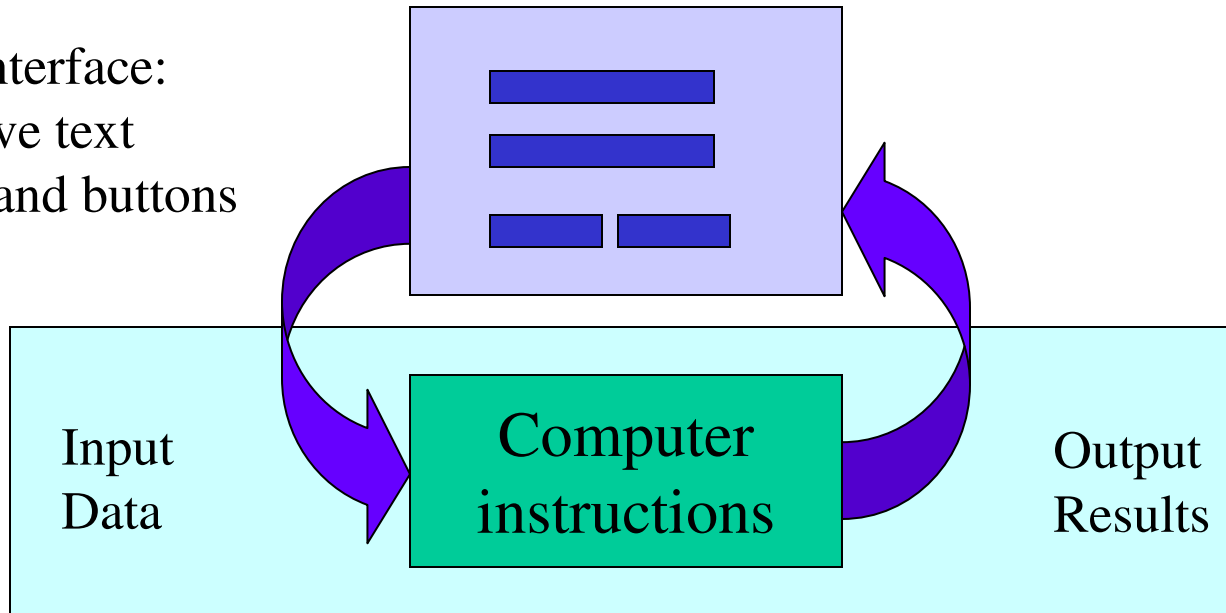
Computer instructions to process data



# Visual Basic model

- Visual Basic is “visual” because it has a user interface that can be used to obtain input and provide output

User interface:  
can have text  
boxes and buttons



# Visual Basic programming model

- Visual Basic programs are executed in response to a user action, such as clicking on a button
  - This is an **event** model of computation
  - When the user **triggers** an event (such as clicking a button or other user interface motion), an **action** occurs which makes a Basic program execute
- Initiating computation in Visual Basic
  - Designate a user interface as the starting interface
    - Visual Studio calls the user interfaces **forms**
  - Place one or more button objects on the interface and put the computations as the actions of the click events