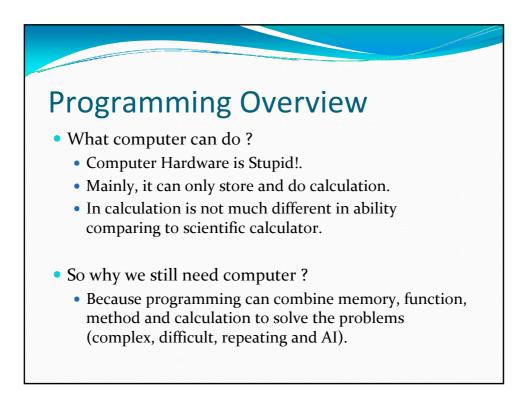


Programming Overview

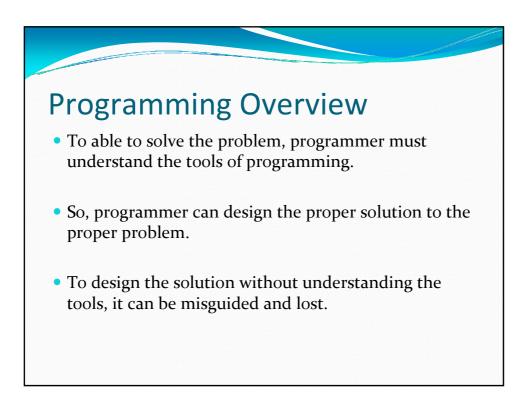
• Why?

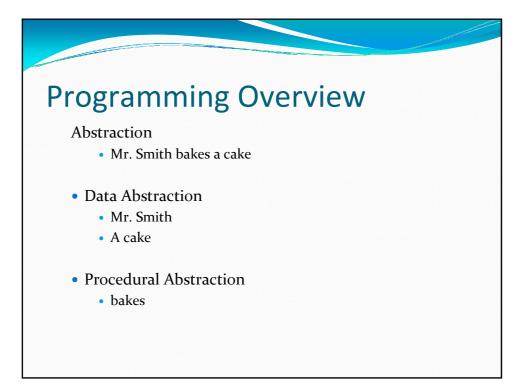
- Problem is very hard to solve.
- Problem is very complex to solve.
- Problem is repeating to solve.
- Problem needs AI to solve.
- Etc.

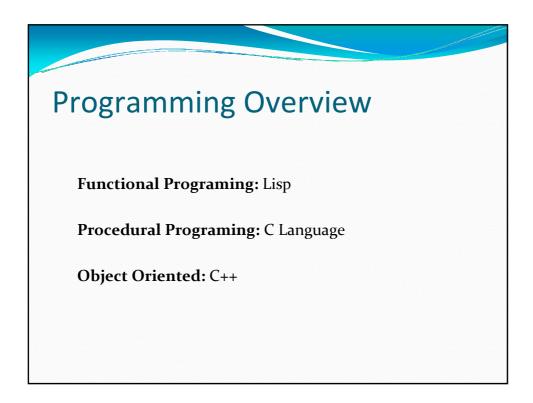


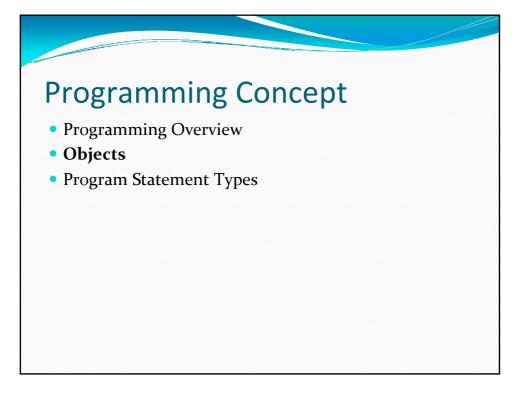


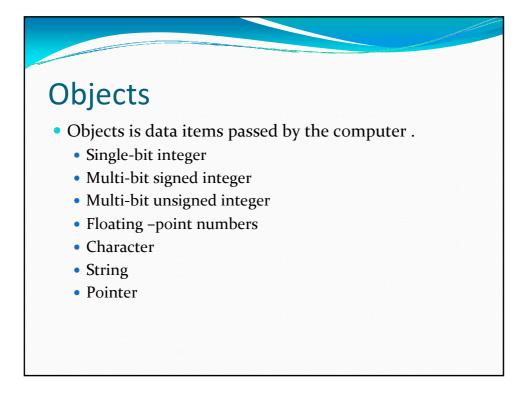
- What programmer does ?
 - Understand the problem
 - Break the problems to small pieces
 - Design the method to solve each piece of problem
 - Coding by manipulate syntax, function, procedure,
 - Test each solution individually
 - Test the combine solution
 - Documentation





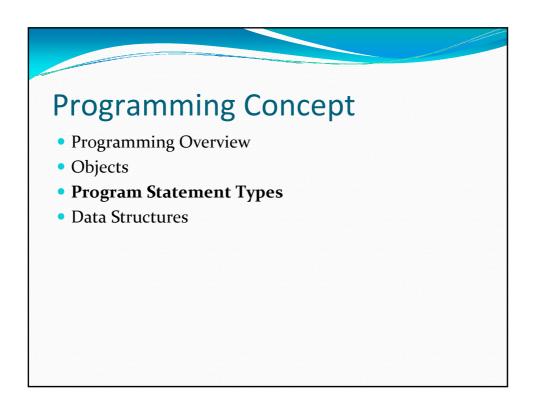






Objects

- Objects is data items passed by the computer .
 - Single-bit integer
 - Multi-bit signed integer
 - Multi-bit unsigned integer
 - Floating -point numbers
 - Character
 - String
 - Pointer

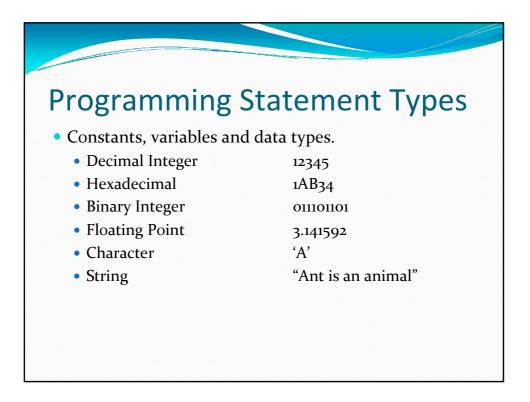


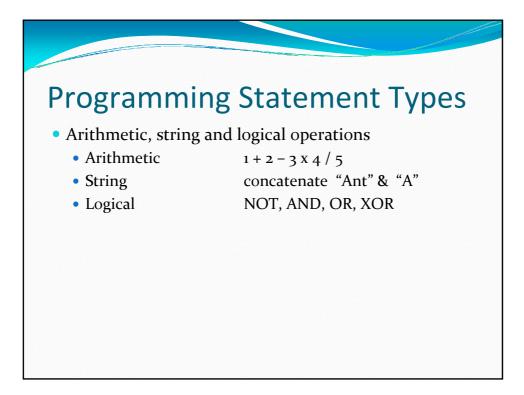


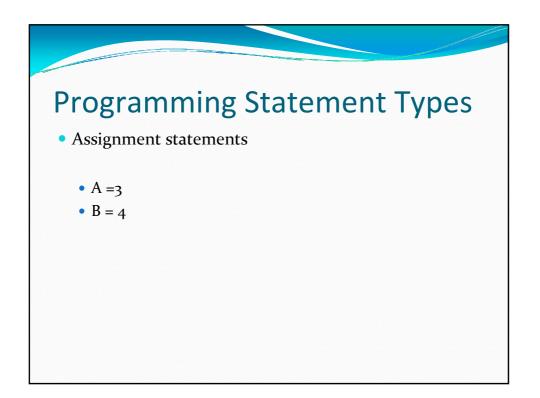
• Programming Statement is procedure or action that manipulate the objects

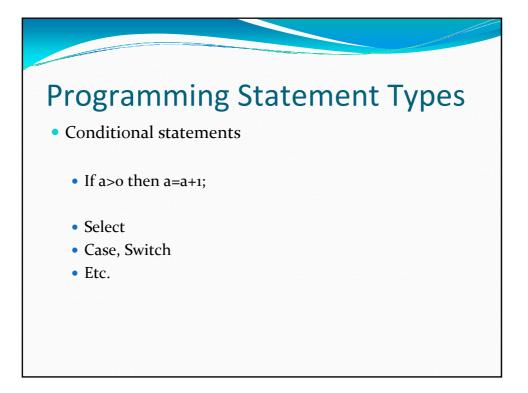
e.g. store, moving, modify or logical operations.

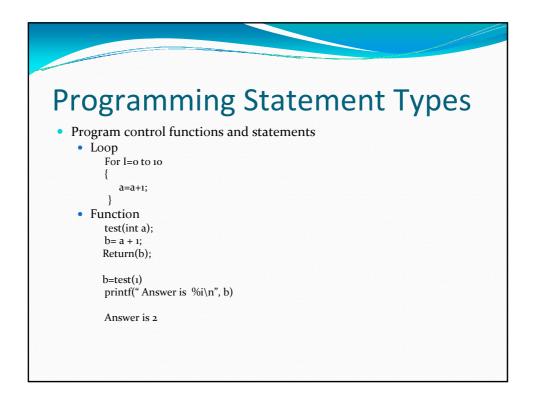
- Constants, variables and data types.
- Arithmetic, string and logical operations
- Assignment statements
- Conditional statements
- Program control functions and statements
- Input and output functions and statements.

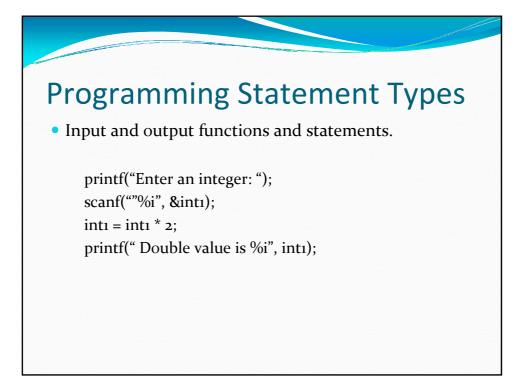


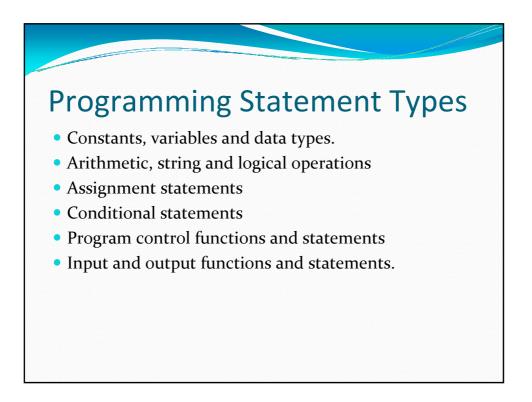


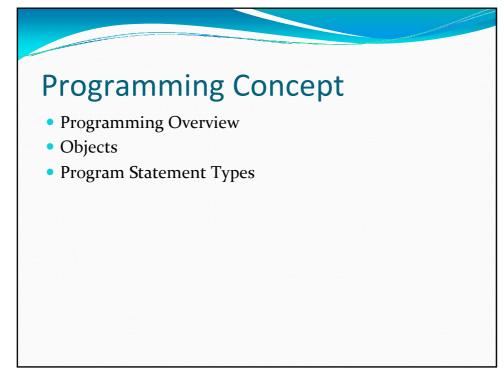


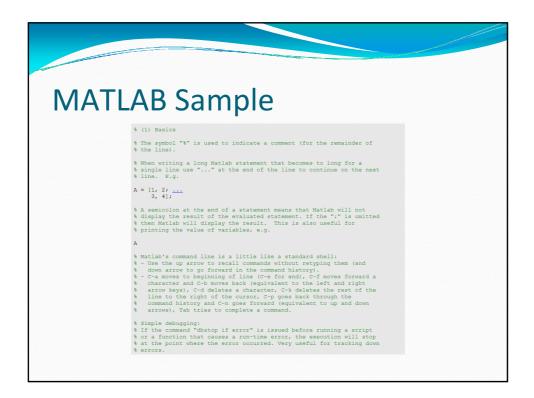


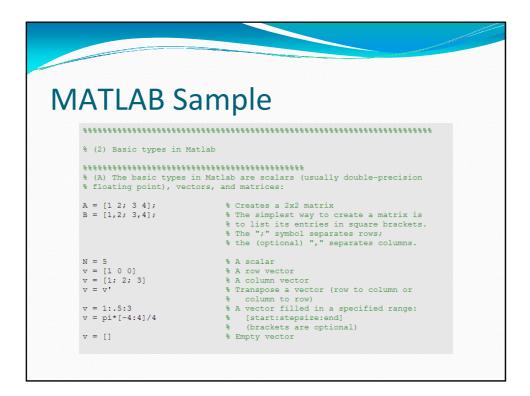












MATLAB Sample			
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