FACULTY OF ENGINEERING & TECHNOLOGY

Brajesh Mishra

Assistant Professor

Department of Computer Science & Engineering
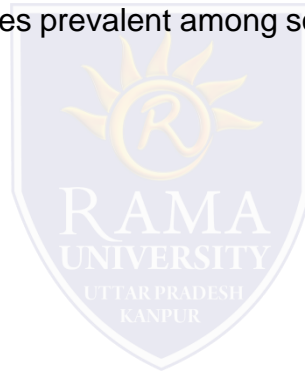
Logical Programming
Procedural Programming
Object-oriented Programming

Logical Programming

•The approach to analyzing such complex problems, planning for software development and controlling the development process is called programming methodology

•There are many types of programming methodologies prevalent among software developers

- – Procedural Programming

- – Object-oriented Programming

- – Functional Programming

- – Logical Programming
  - ➢ Top-down approach
  - ➢ Bottom-up approach

Procedural Programming

- Procedural Programming may be the first programming paradigm that a new developer will learn

- Procedural Programming involves writing down a list of instructions to tell the computer what it should do step-by-step to finish the task at hand

- The key features of procedural programming are given below:

  – Predefined functions

  – Local Variable

  – Global Variable

  – Modularity

  – Parameter Passing

Object-oriented Programming

- *Object-oriented programming* (OOP) refers to a type of computer programming (software design) in which programmers define the data type of a data structure, and also the types of operations (functions) that can be applied to the data structure

- The following terms will help you better understand object-oriented programming:
  - Abstraction
  - Class
  - Encapsulation
  - Information hiding
  - Inheritance
  - Interface
  - Messaging
  - Object
  - Polymorphism
  - Procedure

class	objects
Fruit	Apple
	Banana
	Mango