PROGRAMMING IN C

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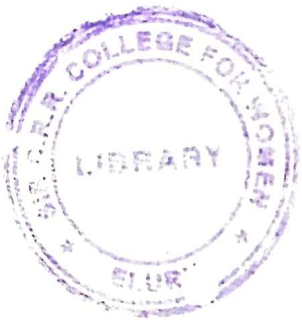

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CHAPTER 1

INTRODUCTION TO C PROGRAMMING

1.1 PROBLEM SOLVING IN C

Problem solving is a process that includes problem finding and problem shaping. In computer programming, problem solving is a systematic approach to find and implement a solution to a problem. For this the basic model of computation is used

Computation refers to the process of arriving at output from a given program, a problem, or a given decision. The process has to be logical and must follow step- by- step approach to arrive in a meaningful outcome.

Phases of basic model of computation are:

1. Defining the problem
2. Analyzing the problem
3. Designing a program
4. Coding a program
5. Testing a Program
6. Maintaining the program

Steps for program development:

A program can be developed by using 2 main approaches- algorithm and flowchart

ALGORITHM: is used to develop a program that follows a systematic approach to get desired output ie., step by step instructions

FLOW CHART: is graphical representation of the logic of the program.