INTRODUCTION TO JAVASCRIPT



In computer age, we have been constantly involved in solving one or the other problems. The problem may concern to various factors like: our survival in a competitive and hostile environment or our curiosity to know more and more of various facets of nature or about any other issues of interest to us. However, for our purpose, we may take the unsatisfactory unacceptable undesirable situation itself as a problem.

One method of finding a possible solution to a problem, is a sequence of activities (if such a sequence exists at all), that if carried out using allowed / available tools, leads us from the unsatisfactory (initial) position to an acceptable, satisfactory or desired position. For example the solution, of the problem of banking delicious pudding may be thought of a sequence of activities, that when carried out gives us pudding (the desired state) from the row materials that may include sugar flour and water (constituting the initial position) using cooking gas, oven and some utensils etc. (the tools) the sequence of activities when carried out gives rise to a process.

Technically, the statement or description in some notation, of the process is called an **algorithm**. The raw materials are called the **input** and the resulting entity is called the **output**.

**DEFINITION**

An algorithm is a description or statement of a sequence

of activities that constitute a process of getting the desired

output from the gives input.

These algorithms can be solved with the help of a computer. To do so, we need to write a computer program. So let us define what is a computer program ?

**Computer** **program**: An algorithm, when expressed in a notation that can be understood and executed by a computer system is called a **computer** **program** or simply a **program**. We should be clear about the distinction between the term viz, a process a program and an algorithm.

**DIFINITION**

**A process** is a sequence of activities being carried out or

executed to solve a program.

But algorithm and programs are just descriptions of a process in some notation. Further, a program is an algorithm in a notation that can be understood and executed by a computer system.

**Software Design and Logic**