

# Software Foundation course C

## About This Course

This course is for Everybody who are interested to learn about C programming. This course will introduce to C data types, variables, functions, arrays, file handling and pointers.

- Learn about C programming basics
- Learn about functions, pointers, structure, unions & file input output

## Course Syllabus

### Module 1: History of Computing

- History of computing, Difference engine
- Evolution of modern computing

### Module 2: Introduction to C language

- Introduction
- Data types, Input output, Loops, Array, 3D array

### Module 3: Functions

- Scope of function
- Recursion, storage class, static class

### Module 4: Pointers

- Type of pointers
- call by value, call by reference

### Module 5: Structure and Unions

- Structure

- Unions

### **Module 6: File Input output**

- fgetc, fputc
- text file vs binary file

### **Module 7: Software in real world**

- software in real world, business analytics
- open standard and open source
- introduction to linux, PHP