

# **PSK TECHNOLOGIES PVT. LTD.**

**Web Development & Training ,Sales & Services**

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## **C Language CONTENT**

### **Lesson 1: Basic**

- A little introduction of c
- Writing program
- Keywords in c
- Data variables, Data types and rules for Naming and declaring data variables
- Basic data types in c
- Constants in c
- Input/output instructions
- Formulae based programs

### **Lesson 2:Decision Control Instructions**

- Operators
- If\_else
- If\_else\_if
- Nested if else
- Goto statements
- Ternary operator
- Switch case

### **Lesson 3:Loop Control Instructions**

- For loop
- While loop
- Do while loop

### **Lesson 4:Array**

- What is an array?
- Array Declaration
- Array Initialization
- Accessing Individual elements of an array
- Binary and Linear Search
- Selection and bubble sort
- Two Dimensional Arrays
- Transpose of array
- Multiplication of 2d array
- Diagonal, upper and lower bound

### **Lesson 5:Functions**

- Types of functions in c
- Body of functions
- Rules of using functions
- Parameter/Arguments
- Return values

### **Lesson 6:Pointer**

- What is pointer
- Pointer to pointer
- Pointer with function(by reference)

## **Lesson7:Strings**

- What are Strings?
- String I/O
- String Manipulation Functions

## **Lesson8: More on User Defined Data Types**

- Structures
- Declaring and Accessing Structure
- Variable Uses of Structures
- Unions

## **Lesson8: Filing**

- File Pointer/Opening a File
- Closing a File/ Seeking in a file
- Copy File
- Compare File
- Binary File

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