

RKV IT Solutions Pvt. Ltd. C syllabus

RKV IT will give you best and efficient training by experienced professionals. RKV IT will provide corporate environment and you will feel like working in organization means you will not feel like students.

Environment like growing each and every day in life. You will get company mail account from first day of training and private limited company certificate which will be benefited at the time of interviews.

Session Plan 1st -Day 1 to day 7

OVERVIEW OF C

- History of C and Importance of C
- Programming style
- Basic structure of C program

CONSTANTS, VARIABLES & DATA TYPES

- Character set, C Tokens
- Keywords & Identifiers
- Data type & its memory representation
- Formatted I/O (printf and scanf)
- Unformatted I/O (getchar and putchar)

OPERATORS & EXPRESSIONS

- 8 types of Operators
- Bitwise Operators explained
- Operator precedence
- Operator associativity
- Type conversion in expression

CONTROL STRUCTURES: BRANCHING

- Decision making with if statement
- If...else statement
- Nested if...else statement
- Else...if ladder
- Switch statement
- The?: operator
- Jumps in loop (GOTO, Break and continue statement)

Skill test for 2 hours

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Session Plan 2nd-Day 8 to day 15

CONTROL STRUCTURES: LOOPING

- The While statement
- Do statement
- For statement
- Infinite loop

ARRAYS

- Benefits of an Array
- Types of arrays (1D , 2D , Multi-D)
- 1D-Sorting program
- 2D-matrix operation
- Limitations of an array
- Examples

FUNCTIONS

- Why Functions
- Types of Functions with declaration and definition
- Library functions
- Return values & their types
- Nesting of Functions
- Calling a function ,passing parameter :Actual and formal
- Call by value and call by reference
- Dynamic memory allocation
- Recursion function
- Command Line arguments

Skill test for 2 hours

Session Plan 3rd -Day 16 to day 21

STRINGS

- Manipulating a String
- Arrays of Strings
- Comparison of Strings
- Standard C library string functions
- String to integer conversion:atoi

HANDLING POINTERS

- Understanding basics of Pointers
- Rules for Pointers

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- Pointer declaration
- Accessing a variable through its Pointer
- Pointers and Arrays
- Pointer to function

STRUCTURES, UNIONS AND ENUMS

- Defining a structure
- Structure initialization
- Structures within structures
- Unions & its properties
- Application of Union
- Declaration and example of Enums

Skill test for 2 hours

Final Session Plan -Day 22 to day 25

FILE HANDLING IN C

- What is a File?
- File Structure with simple programming
- Defining, Opening and Closing a file
- Input/ Output Operations on files
- Binary files
- Developing application using files

MISCELLANEOUS

- TypeDef keyword
- Storage classes
- Macros concept
- Nested Macros

GRAPHICS

- Introduction to Graphics
- Predefined Graphics functions
- Simple graphics programming
- Developing application by using Graphics

Test for whole concept for 3 hours depends on marks you can get attractive gift From RKV IT Organization