Programming with C Language (Paid Course)

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Course Outline

(APC)

Introductions

- What is C Language
- History of C
- Features of C
- How to install C
- First C Program
- Flow of C Program
- printf scanf
- Variables in C

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- Data Types in c Instructor: Rakibur Rahman
- Keywords in c
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- C Operators
- C Comments
- C Escape Sequence
- Constants in C
- C Fundamental Test

C Control Statements

C if-else

- C switch
- C Loops
- C do-while loop
- C while loop
- C for loop
- C break
- C continue
- C goto
- Type Casting
- C Control Statement Test

C Functions

- What is function
- Call: Value & Reference
- Recursion in c BSc. in CSE, DIU
- Storage Classes
- C Functions Test

C Array

- 1-D Array
- 2-D Array
- Array to Function
- C Array Test

C Pointers

- C Pointers
- C Pointer to Pointer
- C Pointer Arithmetic
- C Pointers Test

C Dynamic Memory

• Dynamic memory

C Strings

- String in C
- C gets() & puts()
- C String Functions
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- C strlen() Instructor: Rakibur Rahman

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- C strcpy()
- C strcat()
- C strcmp()
- C strrev()
- C strlwr()
- C strupr()
- C strstr()
- C String Test

C Math

C Math Functions

C Structure Union

- C Structure
- C Array of Structures
- C Nested Structure
- C Union
- C Structure Test

C File Handling

- C File Handling
- C fprintf() fscanf()
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- C fputc() fgetc() tructor: Rakibur Rahman
- C fputs() fgets() BSc. in CSE, DIU
- C fseek()
- C rewind()
- C ftell()

C Preprocessor

- C Preprocessor
- C Macros
- C #include

- C #define
- C #undef
- C #ifdef
- C #ifndef
- C #if
- C #else
- C #error
- C #pragma
- C Preprocessor Test

C Command Line

• Command Line Arguments

C Programming Test

• C Programming Test

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C Programs

- Top 10+ C Programs
- Fibonacci Series
- Prime Number
- Palindrome Number
- Factorial
- Armstrong Number
- Sum of digits

- Reverse Number
- Swap Number
- Print "Hello" without;
- Assembly code in C
- C program without main
- Matrix Multiplication
- Decimal to Binary
- Number in Characters
- Alphabet Triangle
- Number Triangle
- Fibonacci Triangle

C Programming Tricks

- Theory + Practical Lecture MING COURSE

C Programming Shortcut Sc. in CSE, DIU

- Theory + Practical Lecture

Problem Solving

Theory + Practical Lecture

Competitive Programming

- Theory + Practical Lecture