

GE23131-Programming Using C-2024

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- › Week-05-Nested Loops - while and for, Jumps in Loops
- › Assessment-05-Decison Making and Looping - while
- ...
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- ...
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- › Assessment-10-Character Arrays and Strings
- › Week-11-String Handling Functions
- › Assessment-11-String

▼ Skill Test-01-MCQ & Coding

▼ Lecture Notes

 01-Overview of C PDF

 02-Keywords and Identifiers PDF

 03-Constants PDF

 04-Variables PDF

 05-Data Types PDF

 06-Operators PDF

 07-Expressions PDF

 08-Managing Input and Output Operations PDF

 09-Unformatted Input Functions PDF

 10-Unformatted Output Functions PDF

 11-Formatted Input Functions PDF

 12-Formatted Output Functions PDF

 13-Control Structures PDF

Assessment 11-String

- Handling Functions
- › Week-12-User-Defined Functions
- › Assessment-12-User-Defined Functions
- › Week-12-Recursive Functions
- › Assessment-12-Recursive Functions
- › Week-13-Passing Arrays and Strings to Functions
- › Assessment-13-Passing Arrays and Strings to Functions
- › Week-14-Structures and Unions
- › Week-15-Pointers



14-Conditional Control Statements PDF



15-if Statement PDF



16-if...else Statement PDF



17-Nested if...else Statement PDF



18-if...else if Ladder Statement PDF



19-switch...case Statement PDF
20-Loop Control Statements PDF



21-while Statement PDF



22-do...while Statement PDF



23-for Statement PDF



24-Nested for Statement PDF



25-break, continue and exit Statements PDF



26-Arrays PDF



27-One-Dimensional Arrays PDF



28-Two-Dimensional Arrays PDF



29-Multi-Dimensional Arrays PDF



30-Character Arrays and Strings PDF



31-String Handling Functions PDF



32-Functions PDF



33-User Defined Functions PDF



34-Function Categories PDF



35-Parameter Passing Techniques PDF



36-Recursive Functions PDF



37-Passing Arrays to Functions PDF



38-Passing Strings to Functions PDF



39-Scope, Visibility and Lifetime PDF



40-Pointers PDF



41-Structures PDF



42-Arrays of Structures PDF



43-Structures within Structures PDF



44-Unions PDF



Week-01-Overview of C Constants Variables and Data Types

Week 01 Overview of C, Constants, Variables and Data Types

 Coding-C-Language Features-Optional

✓ Done

 Week-01-01-Practice Session-Coding

✓ Done

 Week-01-02-Practice Session-Coding

✓ Done

▼ Assessment-01-Overview of C, Constants, Variables and Data Types

 Digit in Tenth Position

✓ Done

 Calculate the Area

✓ Done

 Swap

✓ Done

 ASCII Value

✓ Done

 Digit in Tenth Position

✓ Done

 Calculate the Area

✓ Done

 Swap

✓ Done

 ASCII Value

✓ Done

▼ Week-02-Operators and Expressions, Managing Input and Output Operations

 Week-02-01-Practice Session-Coding

✓ Done

 Week-02-02-Practice Session-Coding

✓ Done

 Arithmetic Operators-Optional

✓ Done

 Coding-Comment Lines and Tokens-Optional

✓ Done

 Coding-Variables and Keywords

✓ Done

 Coding-Syntax of main() function

✓ Done

 int Data Type

✓ Done

 float Data Type

✓ Done

 Relational and Equality Operators-Optional

✓ Done

 Logical Operators-Optional

✓ Done

 Unary Operators-Optional

✓ Done

 Assignment Operator-Optional

✓ Done

 Ternary Operator-Optional

✓ Done

 Cricket Stadium

✓ Done

 Sports Day Celebration

✓ Done

 The Newspaper Agency

✓ Done

 The Chronicles of Narnia

✓ Done

 Syntax of printf() Function

✓ Done

 Syntax of primary function

 Done

 int Data Type

 Done

 Assessment-02-Operators and Expressions, Managing Input and Output Operations

 Profit Calculator

 Done

 Money with Baba

 Done

 Punctuality Incentive

 Done

 Chocolates Remaining

 Done

 if Construct

 Done

 if-else Construct

 Done

 Nested if-else Construct

 Done

 if-else-if Construct

 Done

 switch-case Construct

 Done

 while loop

 Done

 for loop

 Done

 Week-03-Decision Making and Branching - if, if...else and nested if...else, if...else if and switch...case

 Welcome to Coding

 Done

 week-03-01-Practice Session-Coding

✓ Done

 Week-03-02-Practice Session-Coding

✓ Done

 Week-03-03-Practice Session-Coding

✓ Done

 Array Applications

✓ Done

 Problem solving with Strings

✓ Done

 String manipulation functions

✓ Done

 Assessment-03-Decision Making and Branching - if, if..else and nested if...else

 Admission Eligibility

✓ Done

 Calculator

✓ Done

 Finding the Second Largest Element

✓ Done

 Triangle - Smallest Side

✓ Done

 Formal and Actual Arguments

✓ Done

 Local and Global Variables

✓ Done

 Different categories of Functions

✓ Done

 Lab-04-Decision Making and Branching - if...else if and switch...case

 ...

✓ Done

 Week-04-01-Practice Session-Coding

✓ Done

 Initialization of structures, Accessing structures

✓ Done

 Nested structures, Arrays of structures

✓ Done

 Week-04-Decision Making and Looping - while, do...while and for

 Week-04-01-Practice Session-Coding

✓ Done

 Week-04-02-Practice Session-Coding

✓ Done

 Assessment-04-Decision Making and Branching - if...else if and switch...case

 Calculate Grade

✓ Done

 Railway - Seating Arrangement for Sleeper Class

✓ Done

 Basic Calculator

✓ Done

 Doll Show

✓ Done

 Week-05-Nested Loops - while and for, Jumps in Loops

 Week-05-01-Practice Session-Coding

✓ Done

 Week-05-02-Practice Session-Coding

✓ Done

▼ Assessment-05-Decision Making and Looping - while and do...while

 Coding

✓ Done

▼ Week-06-Decision Making and Looping - for

 Coding

✓ Done

▼ Assessment-06-Decision Making and Looping - for

 Coding

✓ Done

 Linear Search

✓ Done

 Binary Search

✓ Done

 Insertion Sort

✓ Done

 Selection Sort

✓ Done

 Bubble Sort

✓ Done

 Quick Sort

✓ Done

 Merge Sort

✓ Done

▼ Assessment-07-Nested Loops - while and for, Jumps in Loops

 Coding

✓ Done

Week-06-One-Dimensional Arrays

Week-06-01-Practice Session-Coding

✓ Done

Week-06-01-One-Dimensional Arrays

Coding

✓ Done

Week-07-Searching Algorithms-Linear and Binary

Week-07-01-Practice Session-Coding

✓ Done

Assessment-07-Searching Algorithms-Linear and Binary

Week-08-Sorting Algorithms-Bubble and Selection

Coding

✓ Done

Assessment-08-Sorting Algorithms-Bubble and Selection

Week-09-Two-Dimensional and Multi-dimensional Arrays

Coding

✓ Done

Assessment-09-Two-Dimensional and Multi-dimensional Arrays

Week-10-Character Arrays and Strings

Coding

✓ Done

Assessment-10-Character Arrays and Strings

Week-11-String Handling Functions

Coding

✓ Done

Assessment-11-String Handling Functions

Week-12-User-Defined Functions

Coding

✓ Done

> Assessment-12-User-Defined Functions

Week-12-Recursive Functions

Week-12-Coding

✓ Done

> Assessment-12-Recursive Functions

Week-13-Passing Arrays and Strings to Functions

 Week-13-Passing Arrays and Strings to Functions

✓ Done

> Assessment-13-Passing Arrays and Strings to Functions

Week-14-Structures and Unions

 Week-14-Structures and Unions

✓ Done

Week-15-Pointers

 Week-15-Pointers

✓ Done