

Intro to Software

Engineering

CodeWave Academy

```
background
               background
           .box{
              position:
              top: 50%;
              left: 50%;
             transform: t
             width: 400px
             padding: 40px)
             background: Dig
            box-sizing: bord
            box-shadow: 0 15
            border-radius: 10
        .box h2{
           margin: 0 0 30px;
          padding: 0;
          color: #fff;
          text-align: center
 25
      .box h3{
 27
         margin: 0 0 10px;
 28
        padding: 0;
 29
        color: #fff;
        text-align: center;
31
32
    .box .inputBox{
       position: relative;
```

Intro to computer science

□ The different between Software and Hardware
 □ Software life cycle
 □ Types of computer language
 □ The different between compiler and interpreter and assembler

C++ Basics

☐ Variable	s && how to interaction with user?
☐ Data Ty _l	pes
☐ Operato	r
☐ Control	statement
☐ Arrays	
☐ Vectors	
☐ Function	ns
☐ Pointers	
☐ Problem	solving with C++

Object Oriented Programing

☐ Classes
☐ Objects
☐ Encapsulation
☐ Inheritance
☐ Polymorphism
☐ Abstraction

Data Structure

□ Linked List
□ Stack Data Structure
□ Queue Data Structure
□ Problem Solving with data structure

Algorithms

□ What is the algorithms?
 □ How algorithms work?
 □ Sorting algorithms
 □ Searching algorithms

Intro to Database

☐ What is the data base?	
☐ ER Diagram (ERD)	
☐ Mapping and Design	
☐ Types of Commands	



About Us

CodeWave Academy helps you master coding skills through online and offline courses. Whether you're a beginner or advanced, we offer practical learning to prepare you for a tech-driven future. Start your coding journey with us today!