

Lecture No	Topics
<b>Lecture - 01</b>	<ul style="list-style-type: none"> <li>■ Overview on programming</li> <li>■ History of C</li> <li>■ Environment Setup</li> <li>■ Starting with a sample c program</li> </ul>
<b>Lecture – 02</b>	<ul style="list-style-type: none"> <li>■ Basic Syntax</li> <li>■ Data Type</li> <li>■ Declaring a variable</li> <li>■ Using of Integer and Floating Type variable</li> </ul>
<b>Lecture – 03</b>	<ul style="list-style-type: none"> <li>■ Working with Character and Double type variable</li> <li>■ Simple Calculator Making using ( + , - , * , / ,%)</li> </ul>
<b>Lecture – 04</b>	<ul style="list-style-type: none"> <li>■ Working with operator</li> <li>■ Solving problem using operator and variable</li> </ul>
<b>Lecture – 05</b>	<ul style="list-style-type: none"> <li>■ Decision control statement</li> <li>■ If else</li> <li>■ If ,else if ,else statement</li> <li>■ Nested if else statement</li> <li>■ Result processing program</li> </ul>
<b>Lecture – 06</b>	<ul style="list-style-type: none"> <li>■ Decision control statement</li> <li>■ Switch statement</li> <li>■ Nested switch statement</li> </ul>
<b>Lecture – 07</b>	<ul style="list-style-type: none"> <li>■ Exam on last 6 lectures</li> <li>■ Theory and solving problem using program</li> </ul>
<b>Lecture – 08</b>	<ul style="list-style-type: none"> <li>■ Looping statement</li> <li>■ For loop</li> </ul>

	<ul style="list-style-type: none"> <li>■ Working with for loop</li> <li>■ Finding sum and factorial</li> </ul>
<b>Lecture – 09</b>	<ul style="list-style-type: none"> <li>■ Working with nested for loop</li> <li>■ Solving problem using for loop</li> <li>■ Solving problem using of nested for loop</li> </ul>
<b>Lecture – 10</b>	<ul style="list-style-type: none"> <li>■ While loop</li> <li>■ Do while loop</li> <li>■ Solving problem using while and do while loop</li> </ul>
<b>Lecture – 11</b>	<ul style="list-style-type: none"> <li>■ Function</li> <li>■ Discussing built in function</li> <li>■ Declaring and defining user defined function</li> <li>■ Solving problem using user defined function</li> </ul>
<b>Lecture – 12</b>	<ul style="list-style-type: none"> <li>■ Array</li> <li>■ Defining ,declaring and using array</li> <li>■ Solving problem using array</li> </ul>
<b>Lecture – 13</b>	<ul style="list-style-type: none"> <li>■ Exam on last 5 lectures</li> <li>■ Written and solving problem using the topics</li> </ul>
<b>Lecture – 14</b>	<ul style="list-style-type: none"> <li>■ Pointer</li> <li>■ Working with pointer</li> </ul>
<b>Lecture – 15</b>	<ul style="list-style-type: none"> <li>■ String</li> <li>■ Working with string</li> </ul>
<b>Lecture – 16</b>	<ul style="list-style-type: none"> <li>■ Structure</li> <li>■ Working with Structure</li> </ul>
<b>Lecture – 17</b>	<ul style="list-style-type: none"> <li>■ Union</li> <li>■ Working with Union</li> </ul>

<b>Lecture – 18</b>	<ul style="list-style-type: none"> <li>■ Lab Test</li> <li>■ Defining problem for home</li> </ul>
<b>Lecture – 19</b>	<ul style="list-style-type: none"> <li>■ Lab Test</li> <li>■ Defining Problem for home</li> </ul>
<b>Lecture – 20</b>	<ul style="list-style-type: none"> <li>■ Contest</li> <li>■ Solving 5 problem</li> </ul>
<h1>Starting C++</h1>	
<b>Lecture – 21</b>	<ul style="list-style-type: none"> <li>■ Overview of C++</li> <li>■ Basic Syntax</li> <li>■ Basic Input Output</li> </ul>
<b>Lecture – 22</b>	<ul style="list-style-type: none"> <li>■ Working with variable</li> <li>■ Performing Operation in C++</li> <li>■ Solving a simple problem using C++ syntax</li> </ul>
<b>Lecture – 23</b>	<ul style="list-style-type: none"> <li>■ Class and Object in C++</li> </ul>
<b>Lecture – 24</b>	<ul style="list-style-type: none"> <li>■ Class and Objects in C++</li> </ul>
<b>Lecture – 25</b>	<ul style="list-style-type: none"> <li>■ Inheritance in C++</li> </ul>
<b>Lecture – 26</b>	<ul style="list-style-type: none"> <li>■ Polymorphism in C++</li> </ul>

<b>Lecture – 27</b>	■ Exam On lecture 21 to 26
<b>Lecture – 28</b>	■ Overloading in c++
<b>Lecture – 29</b>	■ Abstraction in c++
<b>Lecture – 30</b>	■ Interface
<b>Lecture – 31</b>	■ Encapsulation in C++
<b>Lecture – 32</b>	■ Exam on lecture 27 to 30
<b>Lecture – 33</b>	■ Solving Problem
<b>Lecture – 34</b>	■ Solving Problem
<b>Lecture – 35</b>	■ Solving Problem
<b>Lecture – 36</b>	■ Solving Problem