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**SOME GUIDELINES BEFORE YOU START**

1. Keep Saving all your codes, in a folder with different names.
2. Don’t see the solution before trying every possible thing with your brain.
3. Be consistent, It’s very tempting to get demotivated and leave coding.
4. Remember all the above 3 :p

ALL THE BEST. HAPPY CODING :)

Topic**: Introduction to C++**

Duration**: 4 days**

**> IDE Setup**

We recommend installing dev-c++ for beginners.

Do your setup. You may take help from this video.

[How to download and install latest dev c++ ide on windows 10 2020](https://www.youtube.com/watch?v=1tEwC3IURvk)

**> BASICS -**

**VIDEO RESOURCES:**

1. [Introduction to C++](https://www.youtube.com/watch?v=SQHREey_Yuc&list=PLfVsf4Bjg79Cu5MYkyJ-u4SyQmMhFeC1C&index=2&t=0s)
2. [Why do we learn C++?](https://www.youtube.com/watch?v=brqRL_t0RmM&list=PLfVsf4Bjg79Cu5MYkyJ-u4SyQmMhFeC1C&index=2)
3. [C++ Source Code to Executable | Compilation, Linking, Pre Processing | Build Process Explained](https://www.youtube.com/watch?v=ZTu0kf-7h08&list=PLfVsf4Bjg79Cu5MYkyJ-u4SyQmMhFeC1C&index=3)
4. [C++ First Hello World Program](https://www.youtube.com/watch?v=e840YAaK620&list=PLfVsf4Bjg79Cu5MYkyJ-u4SyQmMhFeC1C&index=6)

**THEORY RESOURCES:**

1. [Geeks For Geeks - First Hello World Program](https://www.geeksforgeeks.org/writing-first-c-program-hello-world-example/)
2. [Geeks For Geeks - Fine write Void Main](https://www.geeksforgeeks.org/fine-write-void-main-cc/)

**> DATA TYPES -**

**VIDEO RESOURCES:**

1. [C++ Constants, Variables, Data types, Keywords](https://www.youtube.com/watch?v=z600MQdQ9lg&list=PLfVsf4Bjg79Cu5MYkyJ-u4SyQmMhFeC1C&index=7)
2. [Creating and Using C++ Variables](https://www.youtube.com/watch?v=5kjOhtniLOs&list=PLfVsf4Bjg79Cu5MYkyJ-u4SyQmMhFeC1C&index=8)

**THEORY RESOURCES:**

1. [Geeks For Geeks - Data Types](https://www.geeksforgeeks.org/c-data-types/)

**> INPUT/OUTPUT OPERATIONS -**

**VIDEO RESOURCES:**

1. [Cin in C++ for Receiving User, Console Input](https://www.youtube.com/watch?v=lW_ZT_OZD1A&list=PLfVsf4Bjg79Cu5MYkyJ-u4SyQmMhFeC1C&index=10)
2. [C++ Console Output with Cout](https://www.youtube.com/watch?v=c7foOFAYqbk&list=PLfVsf4Bjg79Cu5MYkyJ-u4SyQmMhFeC1C&index=9)

**THEORY RESOURCES:**

1. [Basic Input Output](https://www.geeksforgeeks.org/basic-input-output-c/)

**> BASIC OPERATORS -**

**VIDEO RESOURCES:**

1. [C++ Arithmetic Operators](https://www.youtube.com/watch?v=RKNgEgm_DP8&list=PLfVsf4Bjg79Cu5MYkyJ-u4SyQmMhFeC1C&index=12)
2. [C++ Increment and Decrement Operators](https://www.youtube.com/watch?v=kwkZpSc6g7Q&list=PLfVsf4Bjg79Cu5MYkyJ-u4SyQmMhFeC1C&index=13)
3. [C++ Modulus, Short-Hand Operators](https://www.youtube.com/watch?v=fy4hJWctkNc&list=PLfVsf4Bjg79Cu5MYkyJ-u4SyQmMhFeC1C&index=14)

**THEORY RESOURCES:**

1. [Geeks For Geeks - Operators in C/C++](https://www.geeksforgeeks.org/operators-c-c/)

**> DECISION STATEMENTS -**

**VIDEO RESOURCES:**

1. [Conditional Statements in C++](https://www.youtube.com/watch?v=rPyn7kGHZzA&list=PLfVsf4Bjg79Cu5MYkyJ-u4SyQmMhFeC1C&index=15)
2. [C++ Nested If - Else and If - Else If](https://www.youtube.com/watch?v=oMrt_87aW-U&list=PLfVsf4Bjg79Cu5MYkyJ-u4SyQmMhFeC1C&index=16)

**THEORY RESOURCES:**

1. [Geeks For Geeks - Decision Making in C/C++](https://www.geeksforgeeks.org/decision-making-c-c-else-nested-else/)

**PRACTICE:**

1. Write a program to print “Welcome to Girl Code It”?
2. Write a program to print a maximum of two numbers?
3. Write a program to check whether a number is even or odd?
4. Write a program to check whether a number is negative, zero, positive?
5. Write a program to find multiplication of two numbers?