

Chapter 3

If-Else, While loop & Lots of Patterns

In this we will learn the syntax of conditional statements in CPP. A simple program will be made where the computer will print "A" if "A" is bigger than "B", else it will print "B". We will also be given a number "A" and asked to print positive if "A" is positive, otherwise print not positive. If a block is not executed, then the "else" block will be executed. For instance, if "A" is 5, then if "A" is -2 and if "A" is -5, then it will print anything. However, if "-5" is entered, then it won't print anything because the if block was not executed. But if we add an "else" block here, then this block will be executed. We have learned that "cin.get()" takes input in the form of characters and that it took "1" as a character, but we are assigning this value to an integer so that's why it printed its ASCII value. "Cin" does not read SPACE, TAB, ENTER and TAB, but we have another method to take input. Let's code to determine which number is greater. Furthermore, we also learned that Codehelp has a new channel and website where we can find more information about their services. However, this information is not relevant to the topic at hand.

We will run a loop from 1 to n, which is for all rows. We will use a variable i to keep track of the row number, and then we will simply print a star in each column. Then, we will write `cout<< endl` to move to a new line, and this code will be executed for every row. In the next video, we will do more pattern problems and also code a triangular figure. To expand on this, pseudocode is used in pseudonymous pseudocode, which is used for pseudo coding, generating code, and generating code for new software. Data types are also used to test data