CPP Problem Design Example

Subject: Seven-segment Display		
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Main testing concept: Basic String		
Basics	1	Functions
 C++ BASICS FLOW OF CONTROL FUNCTION BASICS PARAMETERS AND OVERLOADING ARRAYS STRUCTURES AND CLASSES CONSTRUCTORS AND OTHER TOOL OPERATOR OVERLOADING, FRIEN STRINGS POINTERS AND DYNAMIC ARRAYS 	IDS, AND REFERENCES	SEPARATE COMPILATION AND NAMESPACES STREAMS AND FILE I/O RECURSION INHERITANCE POLYMORPHISM AND VIRTUAL FUNCTIONS TEMPLATES LINKED DATA STRUCTURES EXCEPTION HANDLING STANDARD TEMPLATE LIBRARY PATTERNS AND UML
Description:		
Write a program that prompts the user for a number and then displays the number, using characters to simulate the effect of a seven-segment display.		
Input: Give numbers. Please ignore the characters not number. The number of characters in one line no more than 100. Finish when EOF.		
Output: Print the input numbers by seven-segment format. Example: If input is 83-5, then output will be *_**_**_* _ *_ _* _ *_ _* *For convenience, the '*' above means '', the true output use '' (blank).		
Sample Input / Output:		
Sample Input 1234567890	Sample Output _ _ _ _	
 ■ Eazy, Only basic programming syntax and structure are required. □ Medium, Multiple programming grammars and structures are required. □ Hard, Need to use multiple program structures or complex data types. 		
Expected solving time: 15 minutes		

Other notes:

If the sample output display not clear, please copy to notepad and Observe.