## 3 Lecture - CS201

## **Important Subjective**

- What is the significance of the "Hello, World!" program in C programming? Answer: The "Hello, World!" program is often used as an introduction to the basics of C programming, and it is considered a starting point for beginners to learn about the syntax and structure of a C program.
- 2. What is the purpose of including the stdio.h header file in a C program? Answer: The stdio.h header file is necessary for using input/output functions in a C program, such as the printf() function, which is used to display text on the screen.
- 3. What is the purpose of the main() function in a C program? Answer: The main() function is the entry point of a C program, and it contains the code that is executed when the program is run.
- How is a variable declared in a C program? Answer: A variable is declared by specifying its data type and name, such as int x; for declaring an integer variable named x.
- 5. What is the syntax for displaying the value of a variable in a C program? Answer: The printf() function is used to display the value of a variable, and the variable name is enclosed in the % symbol followed by its data type, such as %d for an integer variable.
- 6. What is the purpose of the return statement in the main() function? Answer: The return statement is used to indicate the exit status of a program, and it returns a value to the operating system.
- 7. What is the purpose of the escape sequence \n in a C program? Answer: The escape sequence \n is used to insert a new line character in a string, which is used for formatting the output in a C program.
- 8. What is the purpose of the semicolon (;) in a C program? Answer: The semicolon (;) is used to indicate the end of a statement in a C program.
- 9. How is a comment added to a C program? Answer: A comment is added to a C program using the /\* \*/ symbols to enclose the text, or by using // to indicate a single line comment.
- 10. What is the purpose of the #include directive in a C program? Answer: The #include directive is used to include header files in a C program, which contain predefined functions and variables used in the program.