

# 15 Lecture - CS201

## Important Subjective

- 1. What is the purpose of initializing variables in the introduction of a program?**  
Answer: Initializing variables in the introduction of a program helps to set their initial values and can prevent errors later on in the code.
- 2. Why is it important to define the problem to be solved in the introduction of a program?**  
Answer: Defining the problem to be solved in the introduction of a program helps to provide context for the rest of the code and helps the programmer stay focused on the task at hand.
- 3. What is the role of comments in the introduction of a program?**  
Answer: Comments in the introduction of a program can help to explain the purpose and logic of the program, provide instructions on how to use the program, and list the variables and functions used in the program.
- 4. Why is it important to set up the environment in the introduction of a program?**  
Answer: Setting up the environment in the introduction of a program helps to ensure that the program runs smoothly and without errors by configuring the necessary libraries, modules, and settings.
- 5. Why should the introduction of a program be concise and clear?**  
Answer: A concise and clear introduction helps to make the program more readable and understandable, and can save time and reduce the chance of errors in the code.
- 6. Should all variables be defined in the introduction of a program? Why or why not?**  
Answer: No, only the necessary variables should be defined in the introduction of a program to avoid cluttering the code and to improve its readability.
- 7. Why is it important to consider potential issues and edge cases when writing the introduction of a program?**  
Answer: Considering potential issues and edge cases helps to ensure that the program can handle unexpected situations and can prevent errors and crashes.
- 8. Can functions be defined in the introduction of a program? Why or why not?**  
Answer: Yes, functions can be defined in the introduction of a program to provide modular and reusable code, but it is not mandatory.
- 9. What is the difference between defining and declaring a variable in the introduction of a program?**  
Answer: Defining a variable in the introduction of a program means giving it a name and an initial value, while declaring a variable means simply stating its name and data type.
- 10. What is the main goal of the introduction of a program?**  
Answer: The main goal of the introduction of a program is to provide an overview of the program's purpose and functionality, and to set up the necessary environment and variables for the rest of the code.