

10 Lecture - CS201

Important Mcqs

1. **What is the purpose of a header file in C/C++ programming?**

- a) To contain function and variable declarations
- b) To contain executable code
- c) To store data
- d) To control the flow of the program

Answer: a

2. **Which preprocessor directive is used to include a header file in a C/C++ program?**

- a) #define
- b) #include
- c) #ifdef
- d) #ifndef

Answer: b

3. **Can a header file be included multiple times in the same program?**

- a) Yes
- b) No

Answer: a

4. **Which of the following is a standard C library header file?**

- a) <iostream.h>
- b) <stdio.h>
- c) <vector.h>
- d) <mathematics.h>

Answer: b

5. **What is the file extension of a header file in C/C++ programming?**

- a) .c
- b) .h
- c) .cpp
- d) .hpp

Answer: b

6. **Which of the following statements is true about header files?**

- a) They contain both function and variable definitions
- b) They are not necessary for compiling a program
- c) They are used to separate interface and implementation
- d) They can be compiled separately from the rest of the program

Answer: c

7. **What is the purpose of a guard clause in a header file?**

- a) To prevent multiple inclusion of the same file
- b) To control the flow of the program
- c) To define constants and macros

d) To declare functions and variables

Answer: a

8. Which of the following is not a standard C++ library header file?

a) <iostream>

b) <fstream>

c) <vector.h>

d) <string>

Answer: c

9. Can a header file be empty?

a) Yes

b) No

Answer: a

10. Which of the following statements is true about including header files?

a) Including unnecessary header files can slow down compilation time

b) Including header files is only necessary for large programs

c) Including header files is not necessary for object-oriented programming

d) Including header files does not affect the readability or maintainability of the code

Answer: a