

# 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**