## 38 Lecture - CS201

## Important Mcqs

1. What is a user-defined manipulator in C++?
A. A function that modifies the input of a stream
B. A function that modifies the output of a stream
C. A function that sorts an array of integers
D. A function that calculates the factorial of a number

Answer: B
2. How are user-defined manipulators defined in C++?
A. As member functions of a class
B. As global functions outside of any class
C. As friend functions of a class
D. As virtual functions of a class

Answer: B
3. What is the purpose of a user-defined manipulator?
A. To read input from a stream
B. To modify the output of a stream
C. To create a new stream object
D. To delete data from a stream

Answer: B
4. Which operator is used to call a user-defined manipulator?
A. >>
B. $\ll$
C. +
D. -

Answer: B
5. What is the syntax for defining a user-defined manipulator function?
A. void manipulator(ostream\& stream);
B. ostream\& operator<<(ostream\& stream, manipulator fn );
C. int manipulator(int $x$ );
D. void operator<<(ostream\& stream, manipulator fn);

## Answer: B

6. What is the return type of a user-defined manipulator function?
A. void
B. int
C. char
D. ostream\&

## Answer: D

7. What is the purpose of the std::setw() function?
A. To set the width of the output field
B. To set the precision of the output field
C. To set the fill character of the output field
D. To set the format flags of the output field

## Answer: A

8. What is the purpose of the std::setfill() function?
A. To set the width of the output field
B. To set the precision of the output field
C. To set the fill character of the output field
D. To set the format flags of the output field

## Answer: C

9. What is the purpose of the std::setprecision() function?
A. To set the width of the output field
B. To set the precision of the output field
C. To set the fill character of the output field
D. To set the format flags of the output field

## Answer: B

10. Which header file must be included to use user-defined manipulators in $\mathrm{C}_{++}$?
A. <string>
B. <fstream>
C. <iostream>
D. <iomanip>

Answer: D

