

8 Lecture - CS506

Important Mcqs

Sure, here are 10 multiple-choice questions (MCQs) related to streams, along with their solutions and multiple options:

****Question 1: What is a stream in the context of programming?***

- a) A flowing body of water
- b) A sequence of characters
- c) A static data structure
- d) A type of variable

****Solution: b) A sequence of characters****

****Question 2: What does I/O stream stand for in programming?***

- a) Input/Output stream
- b) Integer/Output stream
- c) Input/Object stream
- d) Inferred/Output stream

****Solution: a) Input/Output stream****

****Question 3: In Java, which classes are used for byte-oriented stream handling?***

- a) InputStreamReader and OutputStreamWriter
- b) FileInputStream and FileOutputStream
- c) BufferedReader and BufferedWriter
- d) DataInputStream and DataOutputStream

****Solution: b) FileInputStream and FileOutputStream****

****Question 4: What does EOF stand for when working with streams?*****

- a) End Of Function
- b) End Of File
- c) Exit On Failure
- d) End Of Flow

****Solution: b) End Of File****

****Question 5: Which stream is used for reading text input from the keyboard in C++?*****

- a) cin
- b) cout
- c) cinstream
- d) inputstream

****Solution: a) cin****

****Question 6: What is the purpose of a buffer in stream processing?*****

- a) To store files temporarily
- b) To speed up data access and manipulation
- c) To discard unwanted data
- d) To display output on the screen

****Solution: b) To speed up data access and manipulation****

****Question 7: Which stream modifier is used to open a file for both reading and writing in C?*****

- a) rb+
- b) rw

- c) a+
- d) rw+

****Solution: d) rw+****

****Question 8: What is the primary function of the flush() method in streams?*****

- a) To close the stream
- b) To skip data
- c) To remove data from the buffer and write it to the destination
- d) To read data from the stream

****Solution: c) To remove data from the buffer and write it to the destination*****

****Question 9: In Python, which function is used to read a line from a file stream?*****

- a) read()
- b) readline()
- c) readlines()
- d) getline()

****Solution: b) readline()*****

****Question 10: Which stream is used to write data to the standard output in C programming?*****

- a) stdout
- b) stdin
- c) stderr
- d) stdio

****Solution: a) stdout*****