## StringBuilder

## **Direct Questions**

1.	What is the primary advantage of using StringBuilder over String	
	0	A) It is immutable
	0	B) It consumes more memory
	• C) It allows mutable strings	
	0	D) It is slower than String
	0	Answer: C
2.	2. Which method is used to append a string in StringBuilder?	
	0	A) add()
	0	B) append()
	0	C) join()
	0	D) include()
	0	Answer: B
3.	How can you reverse the contents of a StringBuilder?	
	0	A) inverse()
	0	B) backward()
	0	C) reverse()
	0	D) flip()
	0	Answer: C
4.	Which	method returns the length of a StringBuilder?
	0	A) size()
	0	B) length()
	0	C) getLength()
	0	D) count()
	0	Answer: B
<b>5.</b>	Stri	ngBuilder belongs to which package?

B) java.io C) java.lang 0 D) java.string 0 **Answer**: C **Scenario-Based Questions** You are building a report by concatenating multiple strings inside a loop. Which class provides better performance? 0 A) String B) StringBuilder C) StringBuffer 0 D) Arrays **Answer**: B After appending values "Hello" and "World" using StringBuilder, what will be the result? StringBuilder sb = new StringBuilder(); 8. sb.append("Hello"); 9. sb.append("World"); 10. System.out.println(sb); A) Hello World B) HelloWorld C) WorldHello 0 D) Error **Answer**: B 11. How do you insert a string "Java" at index 4 in a StringBuilder object initialized with "HelloWorld"? A) insert(4, "Java") B) add(4, "Java") C) put(4, "Java") D) append(4, "Java") **Answer**: A

0

A) java.util

12.	2. Which method deletes characters from index 2 to 5 in a StringBuilder?		
	0	A) delete(2, 5)	
	0	B) remove(2, 5)	
	0	C) erase(2, 5)	
	0	D) clear(2, 5)	
	0	Answer: A	
13.	You want to replace a portion of a string using StringBuilder. Which method should you use?		
•	A) setValue()		
•	B) replace()		
•	C) change()		
•	D) modify()		
•	Answer: B		
String	g API		
Direct	Quest	ions	
1.	Which	n method is used to get the character at a specific index?	
	0	A) charAt()	
	0	B) getChar()	
	0	C) indexOf()	
	0	D) subString()	
	0	Answer: A	
2.	What	does the equals () method do in String class?	
	0	A) Compares references	
	0	B) Compares content	
	0	C) Checks length	
	0	D) Returns ASCII values	
	0	Answer: B	

3.	• Which method converts a string to lower case?	
	0	A) toLowerCase()
	0	B) lower()
	0	C) downCase()
	0	D) changeCase()
	0	Answer: A
4.	4. How do you split a string into an array?	
	0	A) divide()
	0	B) separate()
	0	C) split()
	0	D) tokenize()
	0	Answer: C
5.	• What is the output of "Java".substring(1,3)?	
	0	A) Ja
	0	B) av
	0	C) va
	0	D) Error
	0	Answer: B
Scena	rio-Ba	sed Questions
6. You want will you u		vant to find the index of the word "world" in the string "Hello world". Which method ou use?
	0	A) contains()
	0	B) find()
	0	C) indexOf("world")
	0	D) substring()
	0	Answer: C
7.	How	would you compare two strings ignoring their case?
	0	A) equals()

	0	B) compare To()
	0	C) equalsIgnoreCase()
	0	D) match()
	0	Answer: C
8.	You h	ave a string with leading and trailing spaces. Which method removes them?
	0	A) strip()
	0	B) trim()
	0	C) clear()
	0	D) removeSpaces()
	0	Answer: B
9.	What	is the result of "Hello".concat("World")?
	0	A) Hello World
	0	B) HelloWorld
	0	C) WorldHello
	0	D) Error
	0	Answer: B
10.	You v	vant to convert "123" into an integer. Which class/method is used?
•	A) String.toInt()	
•	B) Integer.parseInt("123")	
•	C) parse("123")	
•	D) stringToInt("123")	
•	Answ	rer: B
Date,	Time	e, and Numeric Objects
Direct	Quest	tions

Which class is used to get current date and time in Java 8?

A) DateTime

B) LocalDateTime

	0	D) Clock
	0	Answer: B
2.	What	method returns the current system date?
	0	A) now()
	0	B) today()
	0	C) currentDate()
	0	D) getDate()
	0	Answer: A
3.	Whic	h package contains the modern date and time API?
	0	A) java.util
	0	B) java.sql
	0	C) java.time
	0	D) java.date
	0	Answer: C
4.	Which	h class is used for formatting dates?
	0	A) DateFormatter
	0	B) SimpleDateFormat
	0	C) DateParser
	0	D) DateFormat
	0	Answer: B
5.	How	do you represent a specific date in Java?
	0	A) new Date("2023-12-01")
	0	B) LocalDate.of(2023, 12, 1)
	0	C) createDate(2023, 12, 1)
	0	D) new LocalDate(2023, 12, 1)
	0	Answer: B
Scena	rio-Ba	sed Questions

C) Calendar

6.	You w	ant to calculate the number of days between two dates. Which class helps?		
	0	A) ChronoUnit		
	0	B) Duration		
	0	C) Period		
	0	D) Both A and C		
	0	Answer: D		
7.	To represent time without date, which class should be used?			
	0	A) Date		
	0	B) LocalDate		
	0	C) LocalTime		
	0	D) Calendar		
	0	Answer: C		
8.	What	is the output of LocalTime.now().getHour()?		
	0	A) Current hour in 24-hour format		
	0	B) Hour in 12-hour format		
	0	C) Minutes only		
	0	D) Seconds only		
	0	Answer: A		
9.	You want to parse a date string "2025-07-26". Which class is suitable?			
	0	A) LocalDate.parse("2025-07-26")		
	0	B) Date.valueOf("2025-07-26")		
	0	C) DateTimeFormatter.parse("2025-07-26")		
	0	D) Date.parse("2025-07-26")		
	0	Answer: A		
10.	How o	How do you get the current year?		
•	A) LocalDate.now().getYear()			
•	B) Date.getYear()			

C) Calendar.getYear()

- D) now().year()
- Answer: A