

C++ TEST-9 (STRINGS)

Total points 50/50 ?

STUDENT NAME *

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✓ 1. Which header file is required to use std::string in C++? * 1/1

- ☐ A) <string.h>
- ☐ B) <cstring>
- ☒ C) <string>
- ☐ D) <iostream>



✓ 2. Which of the following correctly declares a C++ string object? * 1/1

- ☐ A) char str[20];
- ☐ B) string str;
- ☐ C) string str = "Hello";
- ☒ D) Both B and C



✓ 3. The C-style string always ends with: * 1/1

- ☐ A) ;
- ☒ B) \0
- ☐ C) EOF
- ☐ D) NULL



✓ 4. Which function is used to find the length of a C++ string? *

1/1

- ☐ A) length()
- ☐ B) size()
- ☐ C) strlen()
- ☒ D) Both A and B



✓ 5. What is the correct way to read a string with spaces using cin? *

1/1

- ☐ A) cin >> str;
- ☒ B) getline(cin, str);
- ☐ C) cin.get(str);
- ☐ D) cin.read(str);



✓ 6. Which header file is used for strlen() function? *

1/1

- ☐ A) <string>
- ☒ B) <cstring>
- ☐ C) <iostream>
- ☐ D) <stdio.h>



✓ 7. What will be the output of the following code? *

1/1

```
string s = "Hello";
```

```
cout << s[1];
```

- ☐ A) H
- ☒ B) e
- ☐ C) l
- ☐ D) o



✓ 8. The function used to concatenate two string objects in C++ is: *

1/1

- ☐ A) strcat()
- ☒ B) append()
- ☐ C) concat()
- ☐ D) merge()



✓ 9. Which operator can be used to concatenate two C++ string objects? *

1/1

- ☒ A) +
- ☐ B) *
- ☐ C) &
- ☐ D) =



✓ 10. What will `s1.compare(s2)` return if both strings are equal ? *

1/1

- ☐ A) 1
- ☐ B) -1
- ☒ C) 0
- ☐ D) True



✓ 11. Which function is used to copy one string to another in C++ (C-style)?

*1/1

- ☒ A) `strcpy()`
- ☐ B) `memcpy()`
- ☐ C) `assign()`
- ☐ D) `copy()`



✓ 12. What will happen if you don't terminate a C-style string with `\0`? *

1/1

- ☐ A) Compilation error
- ☐ B) Runtime error
- ☒ C) Undefined behavior
- ☐ D) Displays 0



✓ 13. What will this code print? *

1/1

```
string s = "World";
```

```
cout << s.length();
```

☒ A) 5



☐ B) 4

☐ C) 6

☐ D) 0

✓ 14. Which function removes all characters from a string? *

1/1

☒ A) clear()



☐ B) erase()

☐ C) remove()

☐ D) empty()

✓ 15. What does str.empty() return if str = ""? *

1/1

☒ A) true



☐ B) false

☐ C) 1

☐ D) Error

✓ 16. The function used to replace part of a string is: *

1/1

- ☒ A) replace()
- ☐ B) swap()
- ☐ C) change()
- ☐ D) alter()



✓ 17. What is output? *

1/1

```
string s = "abc";
```

```
s += "def";
```

```
cout << s;
```

- ☐ A) abc
- ☐ B) def
- ☒ C) abcdef
- ☐ D) Error



✓ 18. Which function is used to insert characters in a string? *

1/1

- ☒ A) insert()
- ☐ B) add()
- ☐ C) append()
- ☐ D) put()



✓ 19. Which of the following checks if two strings are equal? *

1/1

- ☐ A) `s1 == s2`
- ☐ B) `s1.compare(s2) == 0`
- ☐ C) `strcmp(s1, s2) == 0`
- ☒ D) All of these



✓ 20. What will `str.substr(1,3)` return if `str = "HELLO"`? *

1/1

- ☐ A) HELL
- ☒ B) ELL
- ☐ C) LLO
- ☐ D) ELLO



✓ 21. What is the index of the first character in a C++ string? *

1/1

- ☒ A) 0
- ☐ B) 1
- ☐ C) -1
- ☐ D) Depends on compiler



✓ 22. What is the output? *

1/1

```
string s = "Hello";
```

```
cout << s.at(4)
```

- ☒ A) o
- ☐ B) l
- ☐ C) e
- ☐ D) H



✓ 23. Which function swaps two strings? *

1/1

- ☒ A) swap()
- ☐ B) change()
- ☐ C) exchange()
- ☐ D) reverse()



✓ 24. Which of the following returns a pointer to the first character of the string? *1/1

- ☐ A) begin()
- ☐ B) data()
- ☐ C) c_str()
- ☒ D) Both B and C



✓ 25. The function find() returns: *

1/1

- ☒ A) Index of the first occurrence
- ☐ B) Index of last occurrence
- ☐ C) True/False
- ☐ D) None



✓ 26. What will be returned by s.find("x") if "x" is not present? *

1/1

- ☐ A) -1
- ☐ B) 0
- ☒ C) string::npos
- ☐ D) NULL



✓ 27. What does erase() function do in strings? *

1/1

- ☐ A) Deletes substring
- ☐ B) Deletes entire string
- ☐ C) Deletes specific character(s)
- ☒ D) Both A and C



✓ 28. Which of the following correctly converts a C++ string to C-style string? *1/1

- ☐ A) toChar()
- ☐ B) toCString()
- ☒ C) c_str()
- ☐ D) convert()



✓ 29. The expression `s1 += s2;` is equivalent to: *1/1

- ☐ A) `s1.append(s2);`
- ☐ B) `s1 = s1 + s2;`
- ☒ C) Both A and B
- ☐ D) None



✓ 30. Which function returns the capacity of the string object? *1/1

- ☐ A) `length()`
- ☐ B) `size()`
- ☒ C) `capacity()`
- ☐ D) `max_size()`



✓ 31. What is output? *

1/1

```
string s = "abcde";
```

```
cout << s.substr(2);
```

- ☐ A) abcde
- ☒ B) cde
- ☐ C) ab
- ☐ D) bc



✓ 32. Which function is used to resize a string? *

1/1

- ☒ A) resize()
- ☐ B) shrink()
- ☐ C) adjust()
- ☐ D) resizeTo()



✓ 33. What is the output? *

1/1

```
string s = "HELLO";
```

```
s[0] = 'Y';
```

```
cout << s;
```

- ☐ A) HELLO
- ☒ B) YELLO
- ☐ C) HELL
- ☐ D) Error



✓ 34. To get the last character of string str, use: *

1/1

- ☒ A) str.back()
- ☐ Option 2
- ☐ C) str.end()
- ☐ D) str.last()



✓ 35. Which function removes unused capacity of string? *

1/1

- ☐ A) clear()
- ☒ B) shrink_to_fit()
- ☐ C) trim()
- ☐ D) erase()



✓ 36. What will this output? *

1/1

```
string s = "abc";  
  
cout << s.capacity();
```

- ☐ A) 3
- ☐ B) 4
- ☒ C) Implementation dependent
- ☐ D) 0



✓ 37. The function `push_back('a')` does what? *

1/1

- ☒ A) Adds character at end
- ☐ B) Removes character
- ☐ C) Inserts at beginning
- ☐ D) None



✓ 38. Which function removes the last character from string? *

1/1

- ☒ A) `pop_back()`
- ☐ B) `remove()`
- ☐ C) `erase()`
- ☐ D) `del()`



✓ 39. Which of the following returns true if a string is empty? *

1/1

- ☐ A) `isEmpty()`
- ☐ B) `empty()`
- ☐ C) `size() == 0`
- ☒ D) Both B and C



✓ 40. What is the output? *

1/1

```
string s = "Data";
```

```
cout << s.front();
```

- ☒ A) D
- ☐ B) a
- ☐ C) t
- ☐ D) Error



✓ 41. How to convert a number to string in C++? *

1/1

- ☐ A) toString(num)
- ☐ B) num.toString()
- ☒ C) to_string(num)
- ☐ D) str(num)



✓ 42. How to convert a string to integer? *

1/1

- ☐ A) stoi(str)
- ☐ B) atoi(str)
- ☐ C) strtol(str)
- ☒ D) Both A and B



✓ 43. What will reverse(s.begin(), s.end()); do? *

1/1

- ☐ A) Sort string
- ☒ B) Reverse string
- ☐ C) Copy string
- ☐ D) Clear string



✓ 44. Which function can directly compare two C++ strings alphabetically? * 1/1

- ☐ A) compare()
- ☐ B) strcmp()
- ☐ C) >, <, == operators
- ☒ D) Both A and C



✓ 45. What is the output? *

1/1

```
string s = "C++";  
cout << s.size();
```

- ☐ A) 2
- ☒ B) 3
- ☐ C) 4
- ☐ D) Error



✓ 46. Which function can be used to assign a new value to a string? * 1/1

- ☒ A) assign()
- ☐ B) replace()
- ☐ C) reset()
- ☐ D) set()



✓ 47. Which function is used to search a substring from the end? * 1/1

- ☒ A) rfind()
- ☐ B) find_last()
- ☐ C) find()
- ☐ D) reverse_find()



✓ 48. What does str.reserve(50) do? * 1/1

- ☐ A) Sets string length to 50
- ☒ B) Allocates memory for 50 chars
- ☐ C) Adds 50 characters
- ☐ D) Clears string



✓ 49. What will happen? *

1/1

```
string s = "abc";  
cout << s[5];
```

- ☐ A) Error
- ☐ B) Exception
- ☒ C) Undefined behavior
- ☐ D) Prints nothing



✓ 50. Which of the following correctly declares a C-style string? *

1/1

- ☐ A) char s[10] = "Hello";
- ☐ B) string s = "Hello";
- ☐ C) char *s = "Hello";
- ☒ D) Both A and C



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