Q-06

Take the Quiz Again

Attempt History

	Attempt	Time	Score
KEPT	**Attempt 3**	5 minutes	10 out of 10
LATEST	**Attempt 3**	5 minutes	10 out of 10
	Attempt 2	6 minutes	10 out of 10
	Attempt 1	9 minutes	9.67 out of 10

▶ ⓘ Correct answers are hidden.

Submitted Jun 29 at 2:24pm

Question 1   2 / 2 pts

Match each item with the correct statement below.

Keeps processing input until a particular value is found in input.	sentinel loop ⌄
Keeps processing until the output gets no closer to the answer.	limit loop ⌄
Repeats its actions a fixed number of times	definite loop ⌄
Keeps processing until the input device signals that it is finished.	data loop ⌄

Question 2   1 / 1 pts

Loop bounds used when reading files or processing network data.

- ◯ limit bounds
- ⦿ data bounds
- ◯ sentinel bounds
- ◯ None of these

Question 3   1 / 1 pts

A loop that reads data until some special value is found is called a:

○ data loop

○ limit loop

◉ sentinel loop

○ loop and a half

○ None of these

Question 4 — 1 / 1 pts

Which of these is a *flow-of-control* statement?

☑ `if (x < 3) … else …`

☑ `while (x < 3) …`

☐ `x++;`

☐ `int y{15};`

☐ `int x;`

☑ `for (auto e : s) …`

Question 5 — 0.5 / 0.5 pts

In a *guarded* loop, the loop actions may never be executed.

◉ True

○ False

Question 6 — 0.5 / 0.5 pts

In a *guarded* loop, the loop actions are always executed at least once.

○ True

◉ False

Question 7 — 0.5 / 0.5 pts

Loops are used to implement selection in C++.

○ True

◉ False

Question 8   0.5 / 0.5 pts

In an *unguarded* loop, the loop actions are always executed at least once.

◉ True

○ False

Question 9   1 / 1 pts

What prints?

```cpp
string str = "Hello";
for (auto i = 0, len = str.size(); i < len; i++)
    cout << str.at(i);
```

○ Crashes when run

○ Hell

○ Undefined behavior

◉ Does not compile

○ Hello

Question 10   1 / 1 pts

How many times is this loop *entered*? (*That is, how many times is i printed?*)

```cpp
for (int i = 1; i < 10; i++)
    cout << i;
cout << endl;
```

○ 11

○ 10

○ Never

◉ 9

Question 11

1 / 1 pts

In the classic *for* loop, which portion of code is analogous to an `if` statement?

- ○ initialization statement
- ○ None of these
- ● condition expression
- ○ assignment statement
- ○ update expression
- ○ first statement following the loop