Q-11

Due No due date **Points** 15 **Questions** 18 **Time Limit** 30 Minutes **Allowed Attempts** Unlimited

Attempt History

	Attempt	Time	Score
KEPT	Attempt 2	19 minutes	14.5 out of 15
LATEST	Attempt 2	19 minutes	14.5 out of 15
	Attempt 1	23 minutes	14 out of 15

① Correct answers are hidden.

Submitted Jun 29 at 3:05pm

Question 1   1.5 / 1.5 pts

Match each redirection symbol with the description below.
Each line starts with a built-in command

Append output to a file named z

    pwd >> z   ⌄

Discard both output and errors

    rm x > /dev/null 2>&1   ⌄

Read the input from the file named z

    cat < z   ⌄

Send the output to the input of the program named z

    date | z   ⌄

Question 2   1 / 1 pts

Which line runs the `dmm` program and adds its output to a file named `x.data`?

○ `./dmm > x.data`

○ `./dmm < x.data`

○ None of these

◉ `./dmm >> x.data`

○ `./dmm << x.data`

○ `./dmm >1 x.data`

Question 3   1 / 1 pts

Which line runs the `dwk` program and gets its input from a file named `y.data`?

- ○ `./dwk >> y.data`

- ○ None of these

- ○ `./dwk > y.data`

- ○ `./dwk << y.data`

- ◉ `./dwk < y.data`

- ○ `./dwk | y.data`

Question 4   1 / 1.5 pts

Which command sorts the lines in `input.txt` and stores the **sorted** output in a new file named `sorted.txt`?

- ☑ `sort < input.txt > sorted.txt`

- ☐ `sort < input.txt | cat > sorted.txt`

- ☐ None of these

- ☐ `cat < input.txt > sorted.txt | sort`

- ☐ `cat | input.txt < sort > sorted.txt`

- ☑ `cat < input.txt  | sort > sorted.txt`

Question 5   0.5 / 0.5 pts
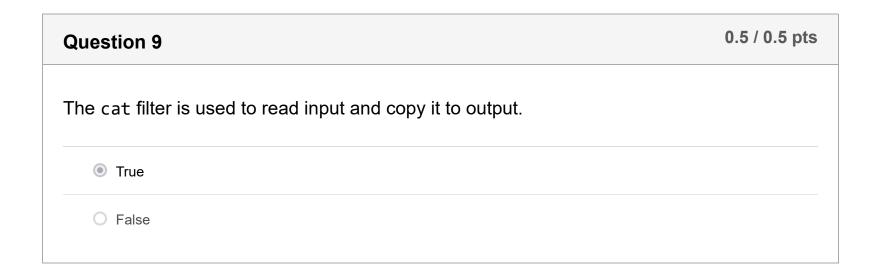
`cat < f.txt > f.txt` makes a copy of `f.txt`.

- ○ True

- ◉ False

Question 6   0.5 / 0.5 pts

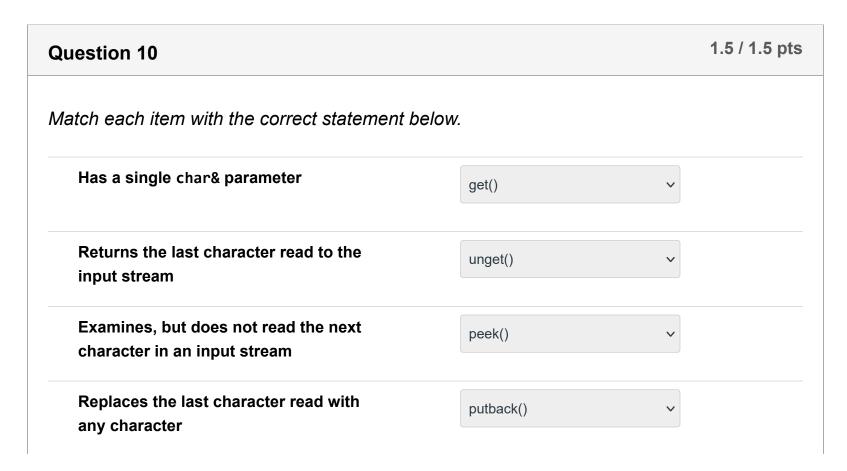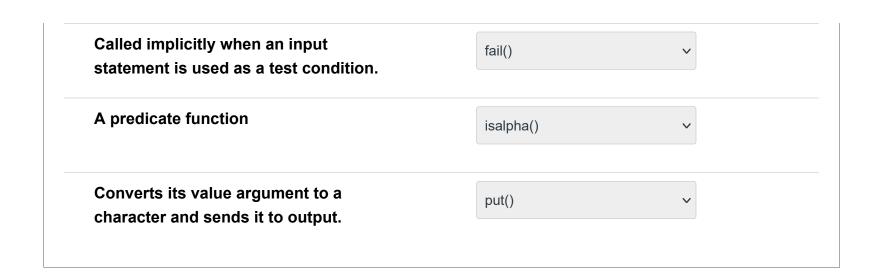This command: `cat < nofile 2> /dev/null` will print an error message on the screen if `nofile` does not exist.

○ True

◉ False

Question 7   0.5 / 0.5 pts

`cat < a.txt > b.txt` erases the contents of `b.txt` before writing to it.

◉ True

○ False

Question 8   0.5 / 0.5 pts
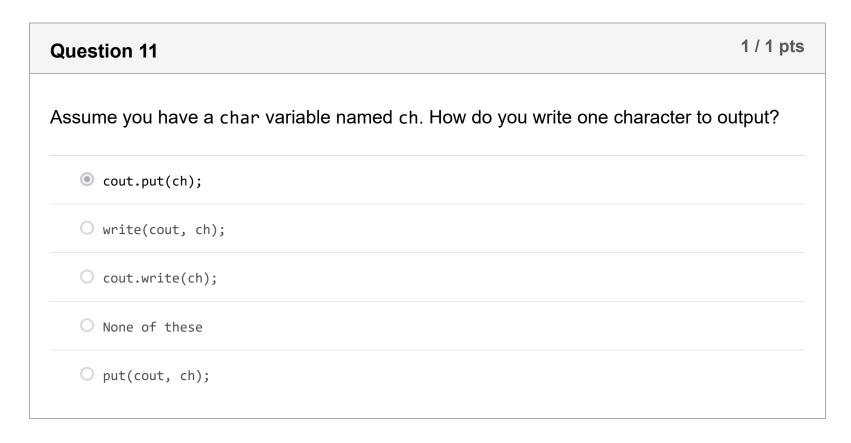
The input redirection symbol, `<<` asks the operating system to open a file and pass its contents to your program as standard input.

○ True

◉ False

Question 9   0.5 / 0.5 pts

The `cat` filter is used to read input and copy it to output.

◉ True

○ False

Question 10   1.5 / 1.5 pts

Match each item with the correct statement below.

Has a single `char&` parameter	get() ⌄
Returns the last character read to the input stream	unget() ⌄
Examines, but does not read the next character in an input stream	peek() ⌄
Replaces the last character read with any character	putback() ⌄

Called implicitly when an input statement is used as a test condition.	fail() ⌄
A predicate function	isalpha() ⌄
Converts its value argument to a character and sends it to output.	put() ⌄

Question 11   1 / 1 pts

Assume you have a `char` variable named `ch`. How do you write one character to output?

- ⦿ `cout.put(ch);`

- ◯ `write(cout, ch);`

- ◯ `cout.write(ch);`

- ◯ None of these

- ◯ `put(cout, ch);`

Question 12   1 / 1 pts

Assume the user types "`brown cow`" when this code runs. What prints?

```
char c;
cout.put(cin.get(c));
```

- ◯ b

- ◯ true (or 1)

- ⦿ Does not compile

- ◯ brown cow

Question 13   1 / 1 pts

Assume you have a `char` variable named `ch`. How do you "unread" a character already read?

- ◯ None of these
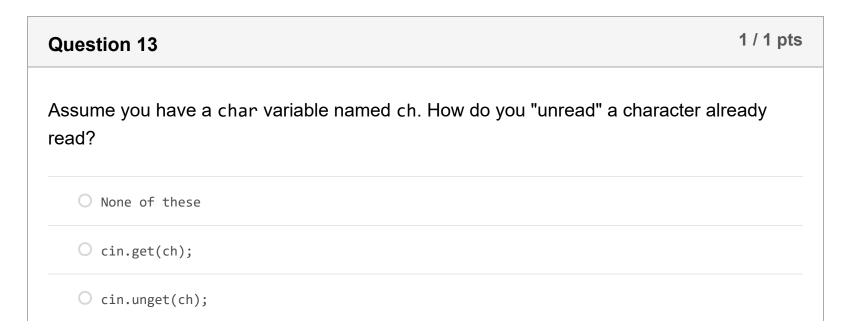
- ◯ `cin.get(ch);`

- ◯ `cin.unget(ch);`

○ `cin.putback(ch);`

○ `cin.seek(ch);`

○ `cin.peek(ch);`

Question 14

1 / 1 pts

The expression `cin.get(ch)` does which of these?

☐ returns the next character read from input.

☑ reads the next character in input and stores it in ch

☑ returns a reference to cin that can be tested

☐ returns true if it successfully read a character

Question 15

0.5 / 0.5 pts

Calling `cout.put(65)` is illegal. Your code will not compile.

○ True

◉ False

Question 16

0.5 / 0.5 pts

When a stream is converted to a Boolean condition, its `fail()` member function is implicitly called.

◉ True

○ False

Question 17

0.5 / 0.5 pts

When using the `get()` member function to read a character, leading whitespace is skipped.

○ True

◉ False

Question 18

You can test if an I/O operation succeeded by explicitly calling the stream's `fail()` member function.

- ◉ True
- ○ False