

Q-11

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

	Attempt	Time	Score
LATEST	Attempt 1	23 minutes	14 out of 15

! Correct answers are hidden.

Submitted Jun 29 at 1:21pm



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 >1 x.data

☐ ./dmm << x.data

☐ ./dmm > x.data

☐ None of these

☒ ./dmm >> x.data

☐ ./dmm < x.data

Question 3

1 / 1 pts

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

- ☐ ./dwm >> y.data
- ☐ ./dwm > y.data
- ☒ ./dwm < y.data
- ☐ ./dwm << y.data
- ☐ ./dwm | y.data
- ☐ None of these



Question 4

1.5 / 1.5 pts

Which command displays a the names of the files in a folder in reverse order?

- ☐ ls -r | sort
- ☒ ls -r
- ☐ ls | sort
- ☐ ls | wc -l
- ☒ ls | sort -r
- ☐ None of these

Question 5

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 6

0.5 / 0.5 pts

The Unix filter used to read and display output is named type.

- ☐ True

☒ False

Question 7

0.5 / 0.5 pts

cat < a.txt > b.txt makes a copy of a.txt in the file b.txt

☒ 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

At the lowest level, all input and output is a stream of bytes flowing through your program.

☒ 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 111 / 1 pts

Complete the following code in the **upper** filter program.

```
char ch;  
while (cin.get(ch))  
    cout.put(_____);
```

☒ toupper(ch)

☐ toUpper(ch)

☐ ch + 32

☐ ch - ('a' - 'A')

Incorrect

Question 120 / 1 pts

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

☐ cin.get(ch);

☐ cin.seek(ch);

☐ cin.unget(ch);

☐ None of these

☒ cin.peek(ch);

☐ cin.putback(ch);

Question 131 / 1 pts

Programs that process streams of characters are called text _____.

☒ filters



☐ mappers

☐ reducers

☐ mutators

☐ accessors

Question 141 / 1 pts

Which of these ***are not*** process filters?

☒ counting word transitions

☐ translating data from one form to another

☐ copy a file

☒ compress input by turning off echo when reading blank spaces

☒ print one sentence per line

☐ search for a particular value in a stream

Question 150.5 / 0.5 pts

When using `cin >> ch;` to read a character, leading whitespace is not skipped.

☐ True

☒ False

Question 160.5 / 0.5 pts

A process filter learns something about the stream by examining characters.

☐ True

☒ False

Question 170.5 / 0.5 pts

The statement `x = cin.get(ch)` returns the next character from input and stores it in x.

☐ True

☒ False

Question 18

0.5 / 0.5 pts

When using the `get()` member function, a stream will fail only if there are no characters left in the input stream.

☒ True

☐ False

