

Feedback Format Explanation

These are four most frequent situations when you read the feedback.

Using Command: *sdiff* <expected-output> <my-output>

Notice: if you swap the position of my-output and expected-output, you will get the reverse symbol.

1. “<”

Welcome to Nim	Welcome to Nim
Please enter Player 1's name:	Please enter Player 1's name:
Please enter Player 2's name:	< Please enter Player 2's name:

Your output has **one line less** than the correct answer.

Correct:

```
1 Welcome to Nim
2
3 Please enter Player 1's name:
4
5 Please enter Player 2's name:
```

Yours:

```
1 Welcome to Nim
2
3 Please enter Player 1's name:
4 Please enter Player 2's name:
5
```

2. “>”

Welcome to Nim	Welcome to Nim
Please enter Player 1's name:	Please enter Player 1's name:
Please enter Player 2's name:	> hello
	Please enter Player 2's name:

Your output has **one line more** than the correct answer.

Correct:

```
1 Welcome to Nim
2
3 Please enter Player 1's name:
4
5 Please enter Player 2's name:
```

Yours:

```
1 Welcome to Nim
2
3 Please enter Player 1's name:
4 hello
5
6 Please enter Player 2's name:
```

3. “|”

Welcome to Nim	Welcome to Nim
Please enter Player 1's name:	Please enter Player 10's name:
Please enter Player 2's name:	Please enter Player 2's name:

Your output has some differences in this line.

Correct:

```
1 Welcome to Nim
2
3 Please enter Player 1's name:
4
5 Please enter Player 2's name:
```

Yours

```
1 Welcome to Nim
2
3 Please enter Player 10's name:
4
5 Please enter Player 2's name:
```

4. “/”

Welcome to Nim	Welcome to Nim
Please enter Player 1's name:	Please enter Player 1's name:
Please enter Player 2's name:	/ Please enter Player 2's name:

Your output does not have the blank line after the last line.

Correct:

```
1 Welcome to Nim
2
3 Please enter Player 1's name:
4
5 Please enter Player 2's name:
6
```

Yours

```
1 Welcome to Nim
2
3 Please enter Player 1's name:
4
5 Please enter Player 2's name:|
```

5. If still couldn't spot the diff

sdiff <(xxd file1) <(xxd file2)

to check the hex diff and transfer to ASCII.

```
$ sdiff <( xxd output.txt ) <( xxd my-output.txt )
```

```
00000000: 506c 6561 7365 2065 6e74 6572 2074 656d Please ent 00000000: 506c 6561 7365 2065 6e74 6572 2074 656d Please ent
00000010: 7065 7261 7475 7265 2066 6f72 204d 6f6e perature f 00000010: 7065 7261 7475 7265 2066 6f72 204d 6f6e perature f
00000020: 6461 793a 200a 506c 6561 7365 2065 6e74 day: .Plea 00000020: 6461 793a 200a 506c 6561 7365 2065 6e74 day: .Plea
00000030: 6572 2074 656d 7065 7261 7475 7265 2066 er tempera 00000030: 6572 2074 656d 7065 7261 7475 7265 2066 er tempera
00000040: 6f72 2054 7565 7364 6179 3a20 0a50 6c65 or Tuesday 00000040: 6f72 2054 7565 7364 6179 3a20 0a50 6c65 or Tuesday
00000050: 6173 6520 656e 7465 7220 7465 6d70 6572 ase enter 00000050: 6173 6520 656e 7465 7220 7465 6d70 6572 ase enter
00000060: 6174 7572 6520 666f 7220 5765 646e 6573 ature for 00000060: 6174 7572 6520 666f 7220 5765 646e 6573 ature for
00000070: 6461 793a 200a 506c 6561 7365 2065 6e74 day: .Plea 00000070: 6461 793a 200a 506c 6561 7365 2065 6e74 day: .Plea
00000080: 6572 2074 656d 7065 7261 7475 7265 2066 er tempera 00000080: 6572 2074 656d 7065 7261 7475 7265 2066 er tempera
00000090: 6f72 2054 6875 7273 6461 793a 200a 506c or Thursda 00000090: 6f72 2054 6875 7273 6461 793a 200a 506c or Thursda
000000a0: 6561 7365 2065 6e74 6572 2074 656d 7065 ease enter 000000a0: 6561 7365 2065 6e74 6572 2074 656d 7065 ease enter
000000b0: 7261 7475 7265 2066 6f72 2046 7269 6461 rature for 000000b0: 7261 7475 7265 2066 6f72 2046 7269 6461 rature for
000000c0: 793a 200a 0a48 6973 746f 6772 616d 206f y: ..Histo 000000c0: 793a 200a 0a48 6973 746f 6772 616d 206f y: ..Histo
000000d0: 6620 5465 6d70 6572 6174 7572 6573 0a2d f Temperat 000000d0: 6620 5465 6d70 6572 6174 7572 6573 0a2d f Temperat
000000e0: 2d2d 2d2d 2d2d 2d2d 2d2d 2d2d 2d2d 2d2d ----- 000000e0: 2d2d 2d2d 2d2d 2d2d 2d2d 2d2d 2d2d -----
000000f0: 2d2d 2d2d 2d2d 2d2d 2d0a 4d6f 6e64 6179 ..| ***** 000000f0: 2d2d 2d2d 2d2d 2d2d 2d0a 4d6f 6e64 6179 ..| *****
00000100: 0909 7c20 2a2a 2a2a 2a2a 2a2a 2a2a 2a2a ..| ***** 00000100: 0909 7c20 2a2a 2a2a 2a2a 2a2a 2a2a 2a2a ..| *****
00000110: 2a2a 2a2a 2a2a 2a2a 2a2a 2a2a 2a0a 5475 ***** 00000110: 2a2a 2a2a 2a2a 2a2a 2a2a 2a2a 2a0a 5475 *****
00000120: 6573 6461 7909 097c 202a 2a2a 2a2a 2a2a esday..| * 00000120: 6573 6461 7909 097c 202a 2a2a 2a2a 2a2a esday..| *
00000130: 2a2a 2a2a 2a2a 2a2a 2a2a 2a2a 2a2a 2a2a ***** 00000130: 2a2a 2a2a 2a2a 2a2a 2a2a 2a2a 2a2a 2a2a *****
00000140: 2a2a 2a2a 2a2a 2a2a 2a2a 0a57 6564 6e65 ***** 00000140: 2a2a 2a2a 2a2a 2a2a 2a2a 0a57 6564 6e65 *****
00000150: 7364 6179 097c 202a 2a2a 2a2a 2a2a 2a2a sday.| *** 00000150: 7364 6179 097c 202a 2a2a 2a2a 2a2a 2a2a sday.| ***
00000160: 2a2a 2a2a 2a2a 2a2a 2a2a 2a2a 2a2a 2a2a ***** 00000160: 2a2a 2a2a 2a2a 2a2a 2a2a 2a2a 2a2a 2a2a *****
00000170: 2a0a 5468 7572 7364 6179 097c 202a 2a2a *.Thursday 00000170: 2a0a 5468 7572 7364 6179 097c 202a 2a2a *.Thursday
00000180: 2a2a 2a2a 2a2a 2a2a 2a2a 2a2a 2a2a 2a2a ***** 00000180: 2a2a 2a2a 2a2a 2a2a 2a2a 2a2a 2a2a 2a2a *****
00000190: 2a2a 2a2a 2a2a 2a2a 2a0a 4672 6964 6179 ***** 00000190: 2a2a 2a2a 2a2a 2a2a 2a0a 4672 6964 6179 *****
000001a0: 0909 7c20 2a2a 2a2a 2a2a 2a2a 2a2a 2a2a ..| ***** 000001a0: 0909 7c20 2a2a 2a2a 2a2a 2a2a 2a2a 2a2a ..| *****
000001b0: 2a2a 2a2a 2a2a 2a2a 0a ***** 000001b0: 2a2a 2a2a 2a2a 2a2a 0a *****
```

If you want more explanation about “sdiff”, please refer to this link:
<https://www.computerhope.com/unix/usdiff.htm>

If you have any question about this file, please feel free to contact me via
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■ Yuhao Song