Introduction to Computer Programming

2.2 User input & nested conditionals - Demos



Example

The volume control on a keyboard has a 'volume up' and 'volume down' button.

We will represent these buttons as inputs from a user:

- u : increase volume by 1
- d : decrease volume by 1

Write a program that



shifts the current volume up or down depending on the input from the user.

volume control u 7

Example

Write a program that checks a number, x, and:

- prints "positive" if the number is positive
- prints "negative" if the number is negative

positive

If the number is positive the program should also print:

- "square" if x is a square number (a number of the form $x = n^2$ where n is an integer)
- "not square" otherwise

positive square

Example

How could we edit the volume control program in the previous example to prevent the volume from ever going outside of the range 0 to 10?

volume control d 5

volume control 3 6

```
In []: 1
```