

# Python – Square Root

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## Purpose

This lab was designed to teach you how to read data from a user, process that data and output it.

## Description

Create a new program that will ask the user for a number and then print out the square root of that number (use the absolute value function to allow negative input values). Here's the [python documentation](#) for the math module. Get used to reading the API.

To use the math module, you must place *import math* as the first line in your program.

`print(math.sqrt(49))` would output 7.0.  
`print(math.fabs(-4))` would output 4.0

## Program Shell

Create a file called `sqrt.py` (don't forget to add **`import math`** at the very top or you'll get a `NameError`)

## Sample Execution

```
Enter a number: -15
3.872983346207417

Enter a number: 25
5.0

Enter a number: 99
9.9498743710662

Enter a number: 0
0.0
```