

A Taste of Python

CS50's New Year's Seminars

Python

<https://github.com/join>

cs50.ly/seminars/ed

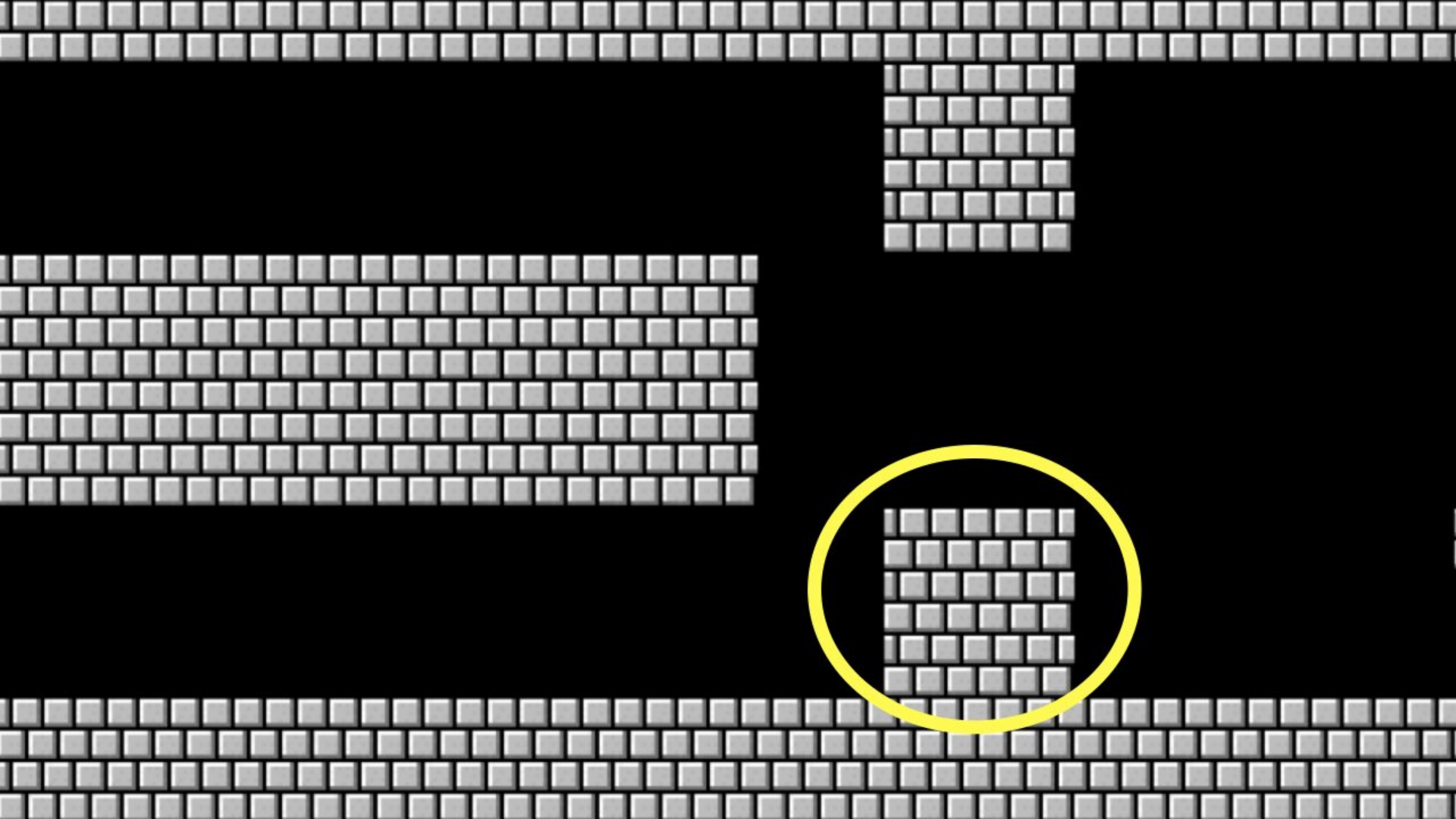
ide.cs50.io

Sum

Write a program that asks the user to type in ten integers as input and then prints their sum.

Guessing Game

Write a program that picks a pseudorandom number between 1 and 10, inclusive, and gives the user up to 3 chances to guess that number, each time printing some message informing the user whether or not their guess was correct.



Grid

Write a program that asks the user to type in a number n and then prints an $n \times n$ grid of hash marks. For example, a 5 x 5 grid would look like:

```
#####
```

```
#####
```

```
#####
```

```
#####
```

```
#####
```

Homework

MARIO
000700

1 x 01

WORLD
1-1

TIME
287



Mario

Write a program that asks the user to type in a number n and then prints a pyramid of hash marks of height n . For example, a pyramid of height 5 would look like:

```
  #  
 ##  
###  
####  
#####
```

Cash

Write a program that asks the user to type in an amount of money and prints the minimum number of U.S. coins required to make change. Assume you can use quarters (25¢), dimes (10¢), nickels (5¢), and pennies (1¢).

Hint: to choose which coin to use next, use the largest coin possible.

cs50.ly/feedback

A Taste of Python

CS50's New Year's Seminars