

Gainesville Python Ninjas

Sept 27 2015




Monthly Python Meetup

Agenda:

- (0) Introductions
- (1) Eat Pizza
- (2) Connect to Internet (optional)
- (3) Solve Coding Challenges
- (4) Announcements
- (5) Fin

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Coding Challenge One

Instructions:

Create a function called `mypow(base, exponent)` that finds $\text{base}^{\text{exponent}}$.

Examples:

`mypow(2,3) = 8`

`mypow(4,2) = 16`

`mypow(4,0) = 1`

Rules:

Don't use Python's built in `pow(x,y)` function.

Don't use Python's `x**y` operator.

Base is a natural number.

Exponent is a whole number .

Coding Challenge Two

Instructions:

Repeat Coding Challenge One but make `mypow(base, exponent)` work with recursion.

Coding Challenge Three

Instructions:

Write a nonrecursive function called `is_prime(number)` which determines if a number is a prime number.

Examples:

`is_prime(2) = True`

`is_prime(4) = False`

`is_prime(1) = False`

`is_prime(11) = True`

Rules:

Number is a natural number

Coding Challenge Four

Instructions:

Repeat Coding Challenge Three but write `is_prime(number)` so it works with recursion.

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