

Computer Science at REALM

Spring 2015 / Ms. Jenkins

```
name = raw_input("What's your name?")  
print "Hi",name," , happy new year!"
```



There are many different languages that we can use to “speak” to computers.

What you will learn

You will learn
how to program
in Python
in this
class.



What you will learn

5 Compelling Reasons to Learn Python as Your First Programming Language

1. Easy-to-Learn

Let's face it. Learning a programming language doesn't sound as exciting as a breakdance competition on an air conditioner. But Python was designed with the newcomer in mind. Python reads like

kindergarten

2. Your Stepping Stone

Python can be your stepping stone into the programming universe. Employers are looking for fresh, stacked programmers and Python will help you get there.

4. Money Money Money

If designing a talking skull that sings random tweets from Gary Busey using Python and Raspberry Pi isn't a big enough incentive, then how about the prospect of having a much fatter wallet? Companies such as Google, Yahoo!, Disney, Nokia, and IBM all use Python. In fact, among programming

What you will learn

This class will be
frustrating,

This class will be
difficult,

This class will be
and unlike any class
you've ever had.

If I'm doing my job,
you will develop
confidence, and

How it will feel

If I'm doing my job,
you will learn how to
teach yourself.

You will not
have free time.

You will have
assigned seats.

This is a safe space for
all people regardless
of gender, race, sexual
orientation and
ability.

I expect my students
to push their
thinking every
single day.

You can expect me
to do my best every
single day.

I expect my students
to respect our
classroom by taking
care of our space and
each other.

You can expect me
to support you and
push you.

By the end of May, you
will know more about
computer science than
about 95% of your
colleagues.

By the end of the
period, you will have
taken a survey to help
me get to know you
better (1/2)

And, you will have
written your first
program. (2/2)

Welcome to Computer Science at REALM / Spring 2015

Intro to Python @ REALM Charter School in
Berkeley, CA

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Hello, World.

This class is taught by Christina Jenkins at REALM Charter High School in Berkeley. This semester-long course is an introduction to programming in Python, and will cover variables, functions, lists, loops, and conditionals. We'll do several projects along with daily exercises and weekly quizzes.

Unit 1: Variables, types, calculations, string operations

- [First day survey](#)
- Unit 1 Daily Lessons [are available here.](#)
- Unit 1 Daily Exercises [are available here.](#)
- **Unit 1 quiz I on Friday, 1/9:** Variables, types, calculations
- **Unit 1 quiz II on Thursday, 1/15:** Variables, string operations

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Description of the site

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Unit 1 resources

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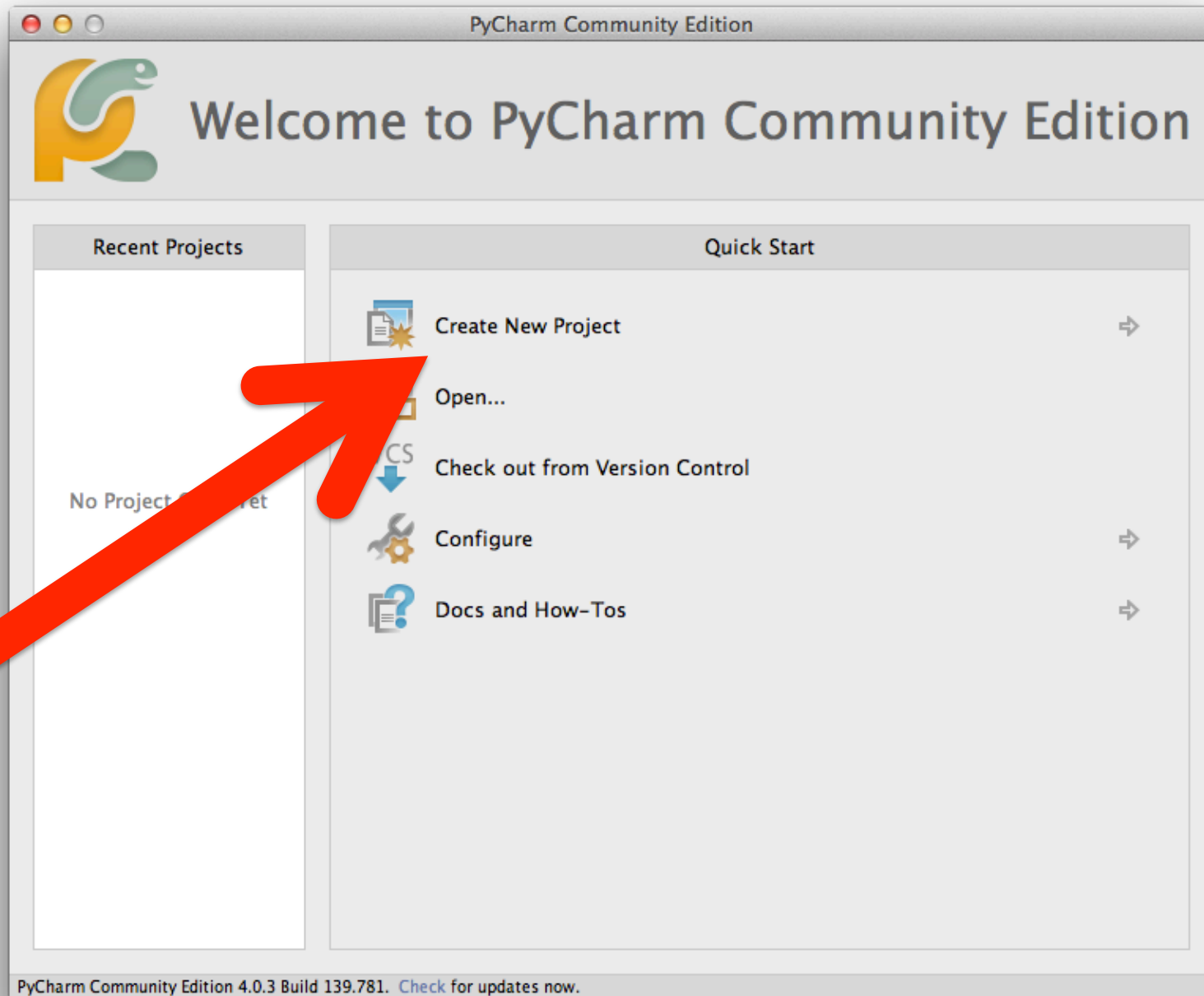
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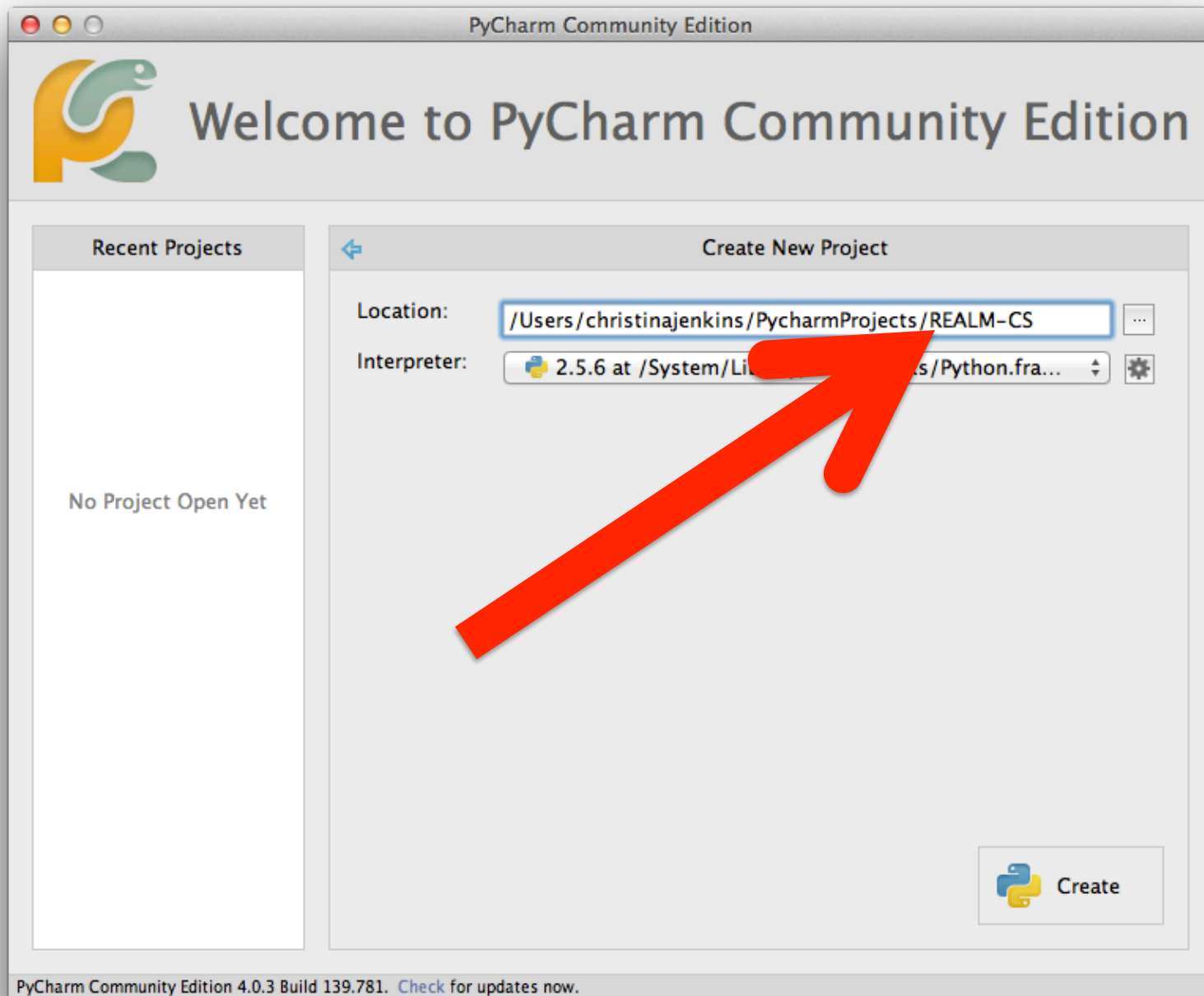
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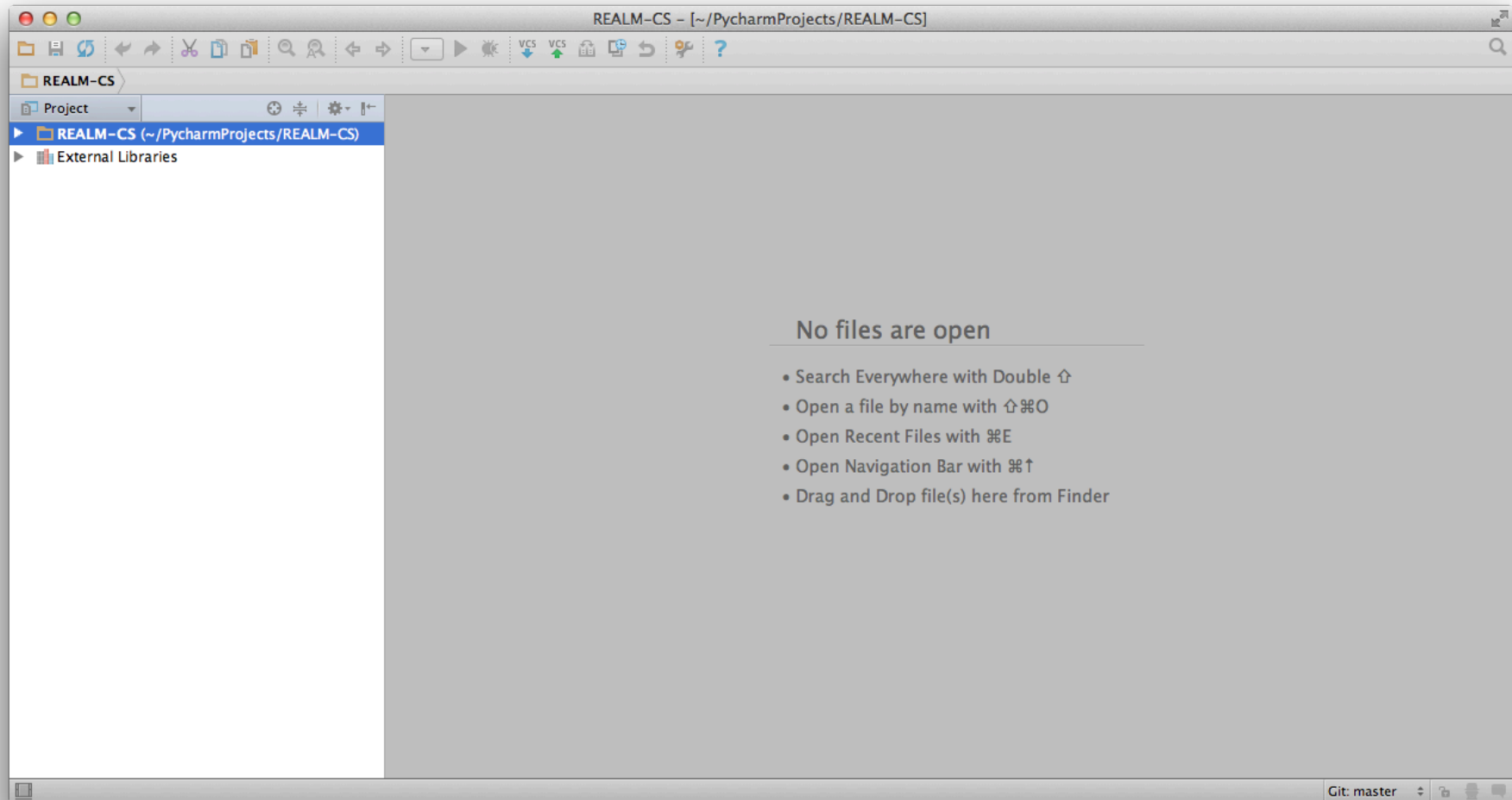
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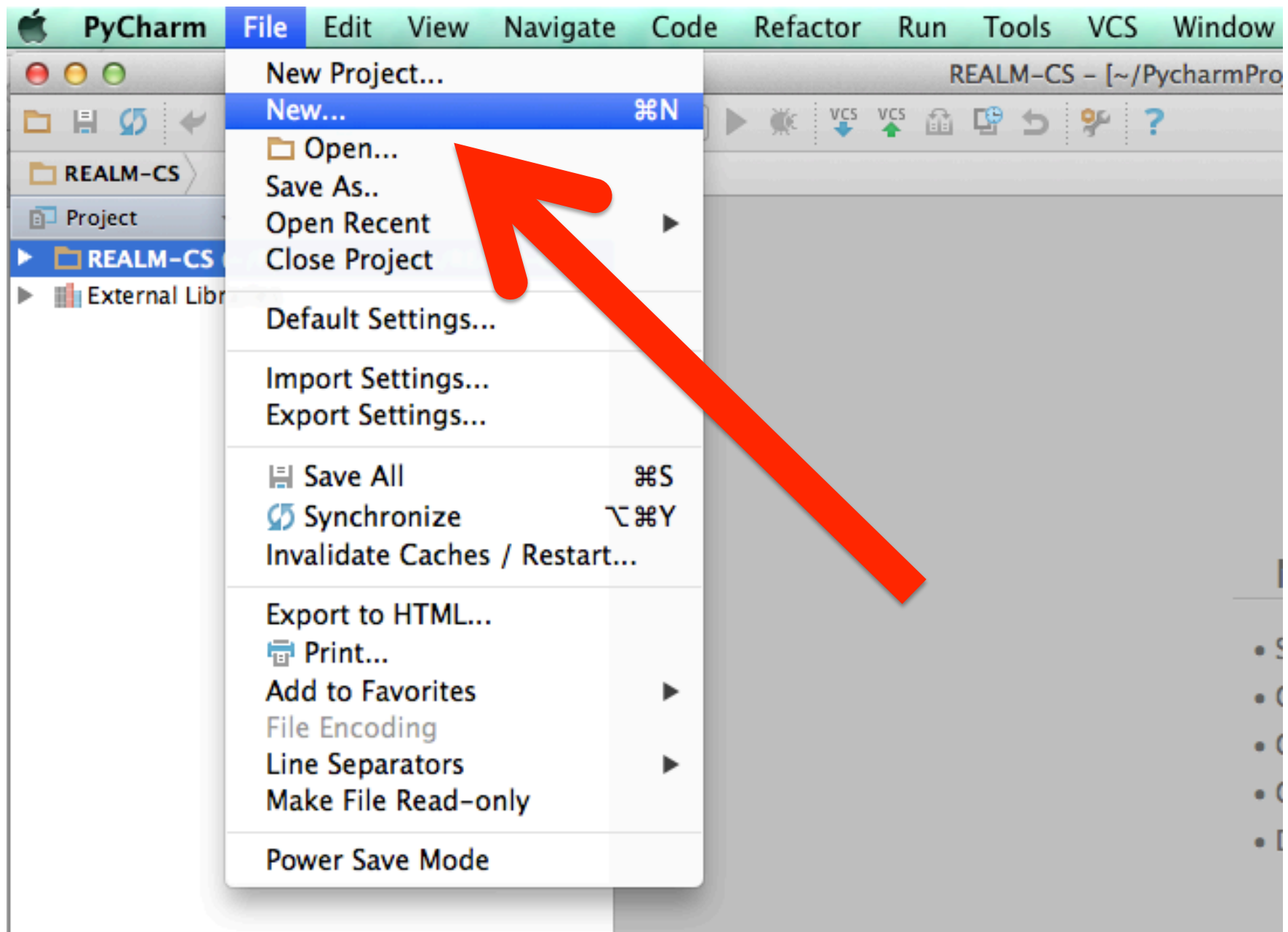
First day survey

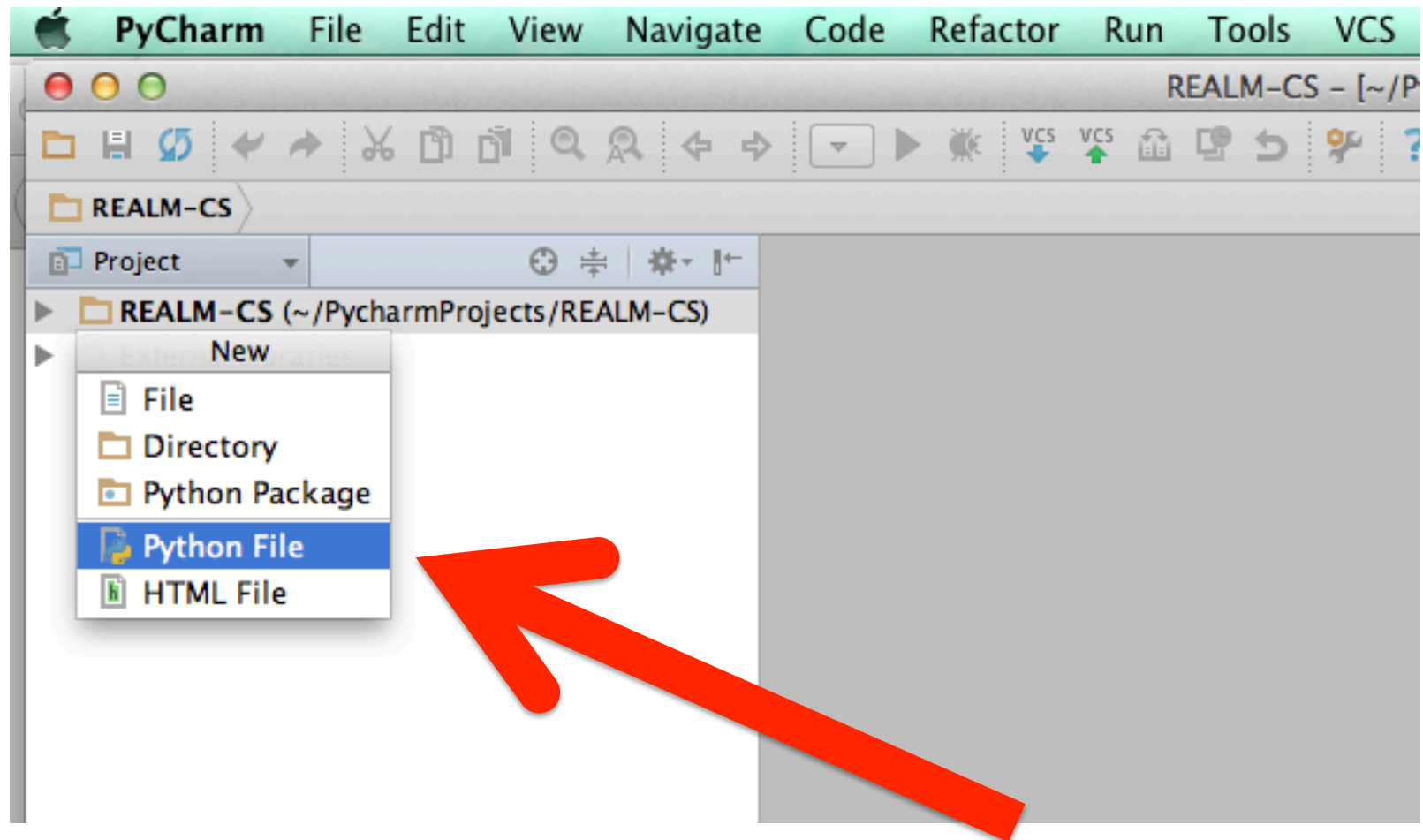
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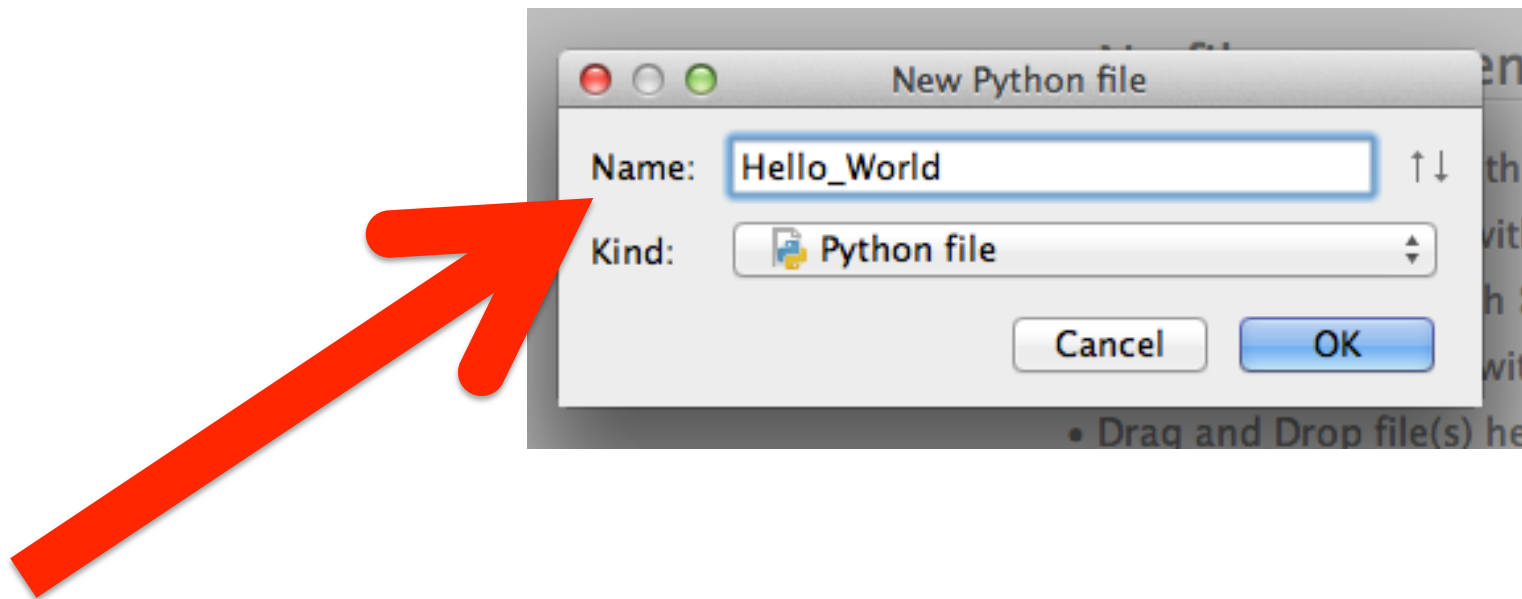


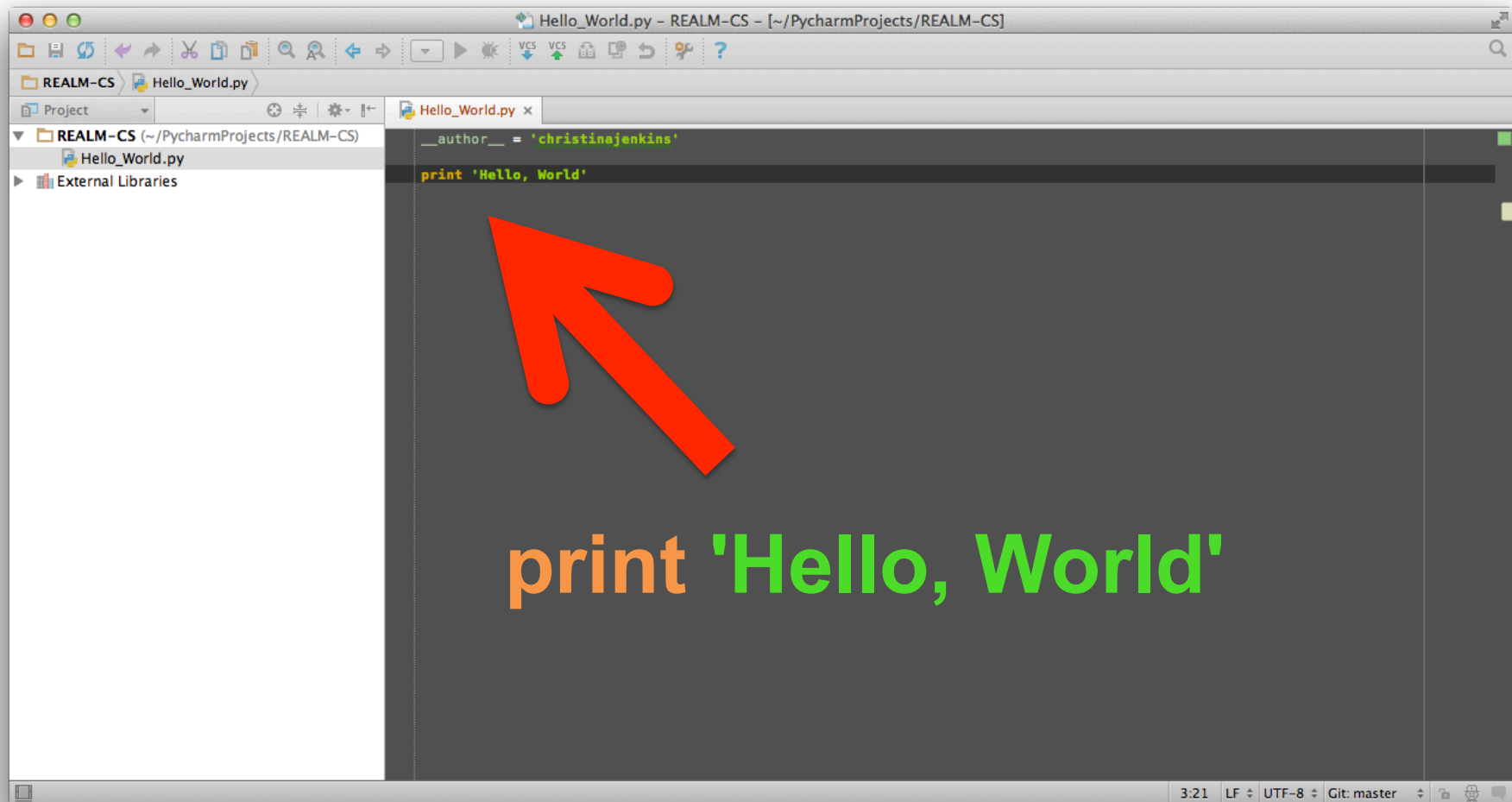




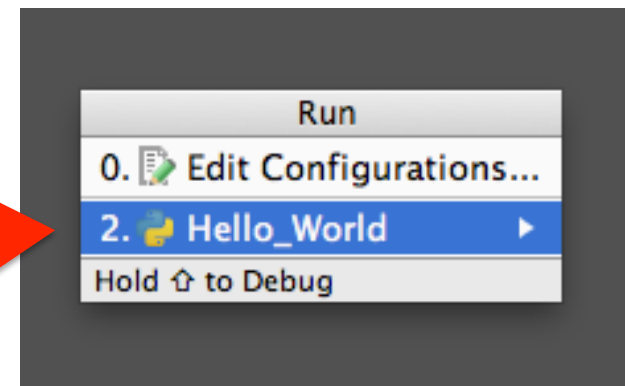
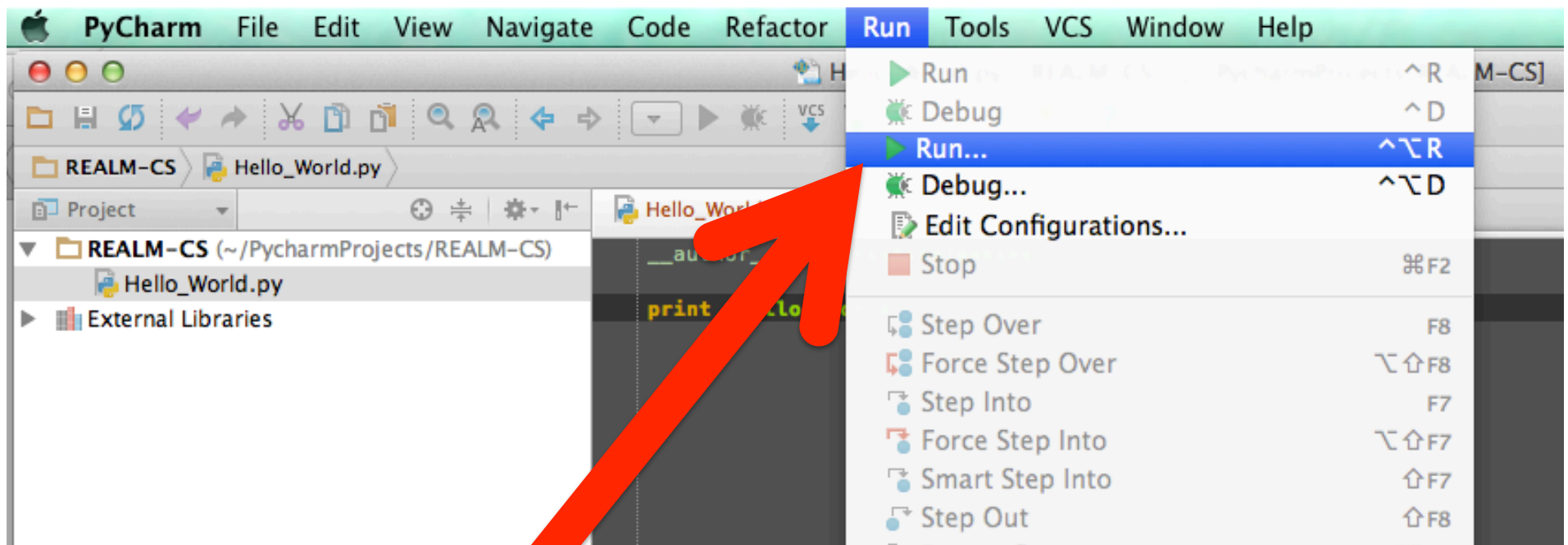




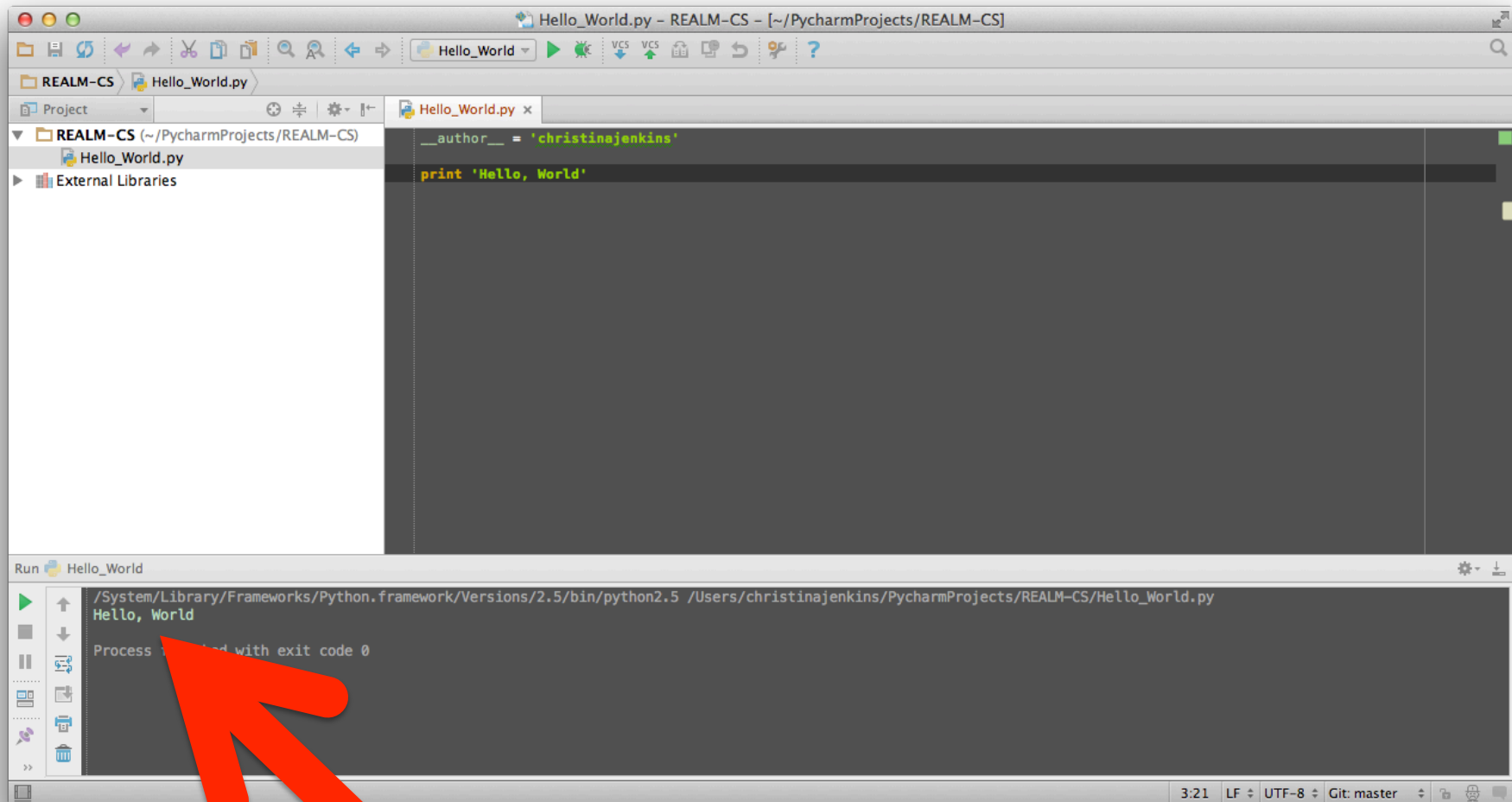




Today



Today



Hello World

Today

The background of the slide is a white surface covered with a dense pattern of colorful streamers and confetti. The streamers are long, thin, and wavy, appearing in shades of pink, purple, yellow, and green. The confetti consists of small, multi-colored dots and squares scattered throughout the entire area.

You just wrote
your first program!

Now visit www.REALM-CS.com to find more exercises for practice.

Today

GRADES?