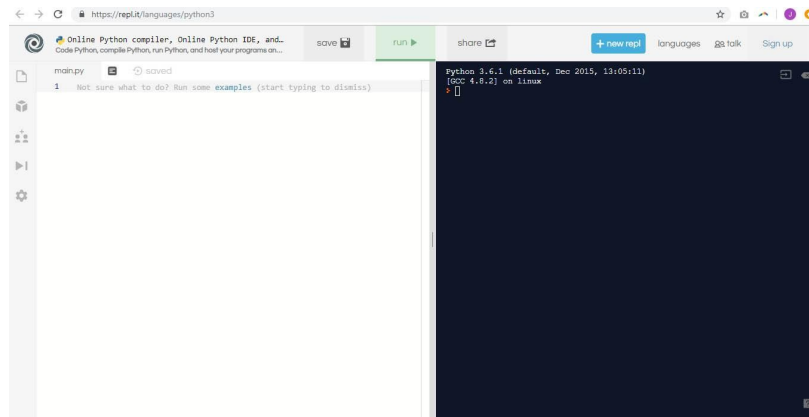


Problem Set Two: Output and Math in Python

Let's get continue coding with Python.

We'll be using an online Python editor. Open <https://repl.it/languages/python3> in your browser. It looks like this:



Let's have the computer help us solve problems.

Here is an example problem:

"I have 20 quarters; how much money do I have?"

Here is a Python solution, along with the output the computer produced when it followed the code I wrote:

<pre>1 print('I have', 20, 'quarters.') 2 print('And that is \$', 20*0.25)</pre>	<pre>I have 20 quarters. And that is \$ 5.0</pre>
--	---

Write print instructions like those in the example above to teach the computer to solve the following problem:

"I have 10 dimes; how much money do I have?"

Press the "Run" button to check your code. When you are satisfied that you are correct, copy and paste your code into the box below.

Let's look at another example problem:

"I want to buy 10 popsicles and 2 puddings. Popsicles cost \$1.25 each and puddings cost \$0.33 each. How much money do I need to buy all my snacks?"

Here is a Python solution, along with the output the computer produced when it followed the

code I wrote:

```
1 print ('I want to buy:')
2 print (10, 'popsicles')
3 print (2, 'puddings')
4 print ('popsicles are $', 1.25, 'each')
5 print ('puddings are $', 0.33, 'each')
6 print ('To buy my snacks I need $', 10*1.25+2*0.33)
```

I want to buy:
10 popsicles
2 puddings
popsicles are \$ 1.25 each
puddings are \$ 0.33 each
To buy my snacks I need \$ 13.16

Write `print` instructions like those in the example above to teach the computer to solve the following problem:

"I want to buy McFlurrys for all my friends (I have 3 friends). McFlurrys cost \$1.59 each. How much money will I need to treat my friends to a yummy snack?"

Press the "Run" button to check your code. When you are satisfied that you are correct, copy and paste your code into the box below.

Let's teach the computer to solve one final problem...

Write `print` instructions to teach the computer to solve the following problem:

"There are 365 days in one year. There are also 52 weeks in one year. How many days old am I? How many weeks old am I?"

Press the "Run" button to check your code. When you are satisfied that you are correct, copy and paste your code into the box below.