



## Python Pizza Slice

<b>Pre-work</b>	3 options: 1) Use <a href="https://trinket.io">https://trinket.io</a> - If you don't have a free account, sign up for one. 2) Use <a href="https://replit.com">https://replit.com</a> - If you don't have an account, you can sign up for a Starter Account 3) Install Python from <a href="https://python.org">https://python.org</a> and use the IDLE Editor	
<b>Getting Started</b>	Create a new Trinket (choose Python), Replit (choose Python (with Turtle)), or a New File in IDLE (save it as pizza.py)	
<b>Code Start</b>	<pre>import turtle as t t.Screen().bgcolor('dark slate blue')</pre>	♦ t is an alias so we can skip typing "turtle" all the time
<b>Crust Layer</b>	<pre>#crust t.color('bisque') t.penup() t.goto(-130,150) t.pendown() t.begin_fill() t.forward(260) t.right(110) t.forward(350) t.end_fill() t.penup()</pre>	♦ What color for the crust layer? <a href="https://trinket.io/docs/colors">https://trinket.io/docs/colors</a>  ♦ talk about Python turtle coordinate plane ♦ triangles: 3 points ♦ filled vs unfilled: filled means we only need to draw the V of the triangle ♦ experiment to get the right length and angles
<b>Sauce Layer</b>	<pre>#sauce t.color('orange red') t.penup() t.goto(-125,140) t.setheading(0) t.pendown() t.begin_fill() t.forward(251) t.right(110) t.forward(345) t.end_fill() t.penup()</pre>	♦ What color for the sauce layer?  ♦ How much of the crust should still show?
<b>Cheese</b>	<pre>#cheese t.color('snow') t.penup() t.goto(-120,130) t.setheading(0) t.pendown() t.begin_fill()</pre>	♦ What color for the cheese?  ♦ I can make the cheese as another triangle layer as provided on the left, but is that how real pizza looks. What else could I do?



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	<pre>t.forward(241) t.right(110) t.forward(340) t.end_fill() t.penup()</pre>	
<b>Toppings</b>	<pre>#toppings</pre>	♦ Experiment with shapes and colors to make toppings for your pizza.

### Other things to try:

- Other foods

### My Notes: