import pandas as pd

In [72]: Out[72]: In [73]:	count 30176 unique 8618 top HTML/CSS; JavaScript; PHP; SQL freq 567 Name: LanguageWorkedWith, dtype: object
In [74]:	**html <h2> The pie charts below note the popularity of the top 5 programming languages ▪ The first chart shows languages currently known by respondents. ▪ The second chart shows languages currently respondents want to lear in 2021. ▪ These charts highlight the desire for more programmers to learn and use Python (Currently 14.4% of respondents know Python, but 21.3% of respondents want to learn Python looks to be the upcoming language most respondents want to learn in 2021. The pie charts below note the popularity of the top 5 programming languages • The first chart shows languages currently known by respondents.</h2>
In [75]:	 The second chart shows languages currently respondents want to lear in 2021. These charts highlight the desire for more programmers to learn and use Python. (Currently 14.4% of respondents know Python, but 21.3% of respondents want to learn Python in 2021) The standard languages of JavaScript, HTML, and SQL remain popular. Judging from this information, Python looks to be the upcoming language most respondents want to learn in 2021. labels = ['JavaScript', 'HTML', 'SQL', 'Python', 'Java', 'C++'] slices = [totalJavaScript, totalHTML, totalSQL, totalPy, totalJava, totalCpp] explode = [0, 0, 0, 0.1, 0, 0] plt.pie(slices, labels=labels, explode=explode, shadow=True, startangle=120, autopct= wedgeprops={'edgecolor': 'black'}) plt.title('Popularity Top 5 Languages') plt.tight_layout() plt.savefig('PieChartPopLang.png')
	Popularity Top 5 Languages C++ Java Augustian Java Python 14.4% 25.2% 20.0% 21.7% SQL
In [76]:	<pre>labels = ['JavaScript', 'HTML', 'SQL', 'Python', 'Java', 'C++'] slices = [LearnJavaScript, learnHTML, learnSQL, learnPy, learnJava, learnCpp] explode = [0, 0, 0, 0.1, 0, 0] plt.pie(slices, labels=labels, explode=explode, shadow=True, startangle=120, autopct=</pre>
In [77]:	JavaScript 27.3% 21.3% Python 17.5% 17.5% SQL
	<pre><h2> Conclusions Drawn: </h2></pre>
In []:	 The median age of the respondent is 30 years old. This aligns with expectations A higher percentage of younger respondents 20-35 years old tend to already know Python. Over the age of 35, the percentage of respondents that already know Python drop off Based on responses to this survey, Python is a popular upcoming programing language. This is not surprising given the ease and versatility of the Python programming language. The increase in desire to learn this language in 2021, compared to the relatively low percentage of respondents that currently know Python help support this conclusion. End Report 3/18/21 completed by Ryan Olsen