PYTHONISAPOPULARPROGRAMMINGLANGUAGE:

- WhenGuido vanRossumwascreatingpython in the 1980s, hemadesure to designit to be a general-purpose language. One of the main reasons for the popularity of python would be be simplicity in syntax so that it could be easily read and understood even by amateur developers also.
- Python was created more than 30 years ago, which is a lot of time for any community
 ofprogramminglanguagetogrowandmatureadequatelytosupportdevelopersrangin gfrombeginnerto expert levels.
- There are plenty of documentation, guides and Video Tutorials for Python language areavailablethatlearner anddeveloperofanyskill leveloragescanuse andreceivethesupport
- Thepythonlanguageisoneofthemostaccessible programminglanguages availablebecauseit has simplified syntax and not complicated, which gives more emphasis on naturallanguage.
- Due to its ease of learning and usage, python codes can be easily written and executed muchfasterthan other programminglanguages.

FRAMEWORKSUSEDWITHPYTHON:

1. DJANGO

Django is an open-source, full-stack Python framework. It follows the DRY (Don't RepeatYourself) principle. Django comes equipped with a vast line of ready-to-use libraries. Some ofits most exceptional features are authentication, URL routing, template engine, object-relationalmapper(ORM), anddatabaseschemamigrations. Together, these make Djangohighly scalable, fast, and versatile.

2. PYRAMID

Another open-source Python framework on our list is Pyramid. It runs on Python 3 and aims

toaccomplishasmuchaspossiblewithminimalcomplexity.PerhapsthebestfeatureofPyra midisits ability to run well with both small and large applications. Some of the key

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highlights of thisframework include Routes, HTML form validation and generation, text- based templating, URLmappingbased on Routes configuration via WebHelpers, andURLdispatch.

3. TURBOGEARS

TurboGears is an open-source, data-driven, full-stack Python framework. It incorporates some of the best components of other Python frameworks and comes with many useful libraries. It allows developers to build data-driven web applications very fast.

4. WEB2PY

Web2py is a highly scalable, open-source full-stack Python framework. It comes with itsindividual web-based IDE that includes a code editor, debugger, and a one-click deployment feature.

5. CHERRYPY

CherryPyisoneoftheoldestopen-source,objectorientedPythonmicroframeworks.Followinga minimalistic approach, CherryPy is designed for extensibility. It includes mechanisms for hookpointsandextensions.Moreover,the"cherry" ontopisthatanyCherryPybasedwebapplicationisa standalonePythonapplicationhavingitsuniqueembeddedmultithreaded webserver.

6. FLASK

FlaskisaPythonmicroframeworkavailableundertheBSDlicense.Itdrewinspirationfromthe Sinatra Ruby framework. Flask requires Jinja2 template and Werkzeug WSGI toolkit to run. Ithas a lightweight and modular design that makes it easily adaptable to a wide range ofdevelopmentneeds.

7. SANIC

Sanic is an Asynchronous framework built on top of uvloop. It is a simple Python frameworkdevelopedexplicitlyforofferingfastHTTPresponsesviaasynchronousrequesth andling. Since Sanic supports asynchronous request handlers, it is compatible with Python 3.5's 'Async' and 'Await' functions. This helps to enhance its speedfurther.