## Hssignment - 1

What is python language? Python is an interpreted, high-level, igeneral purpose programming language. Created by quido van Rossum and first released in 1991 and further developed by the Python Software Foundation. It mas designed with an emphasis on wide readability, and its syntax allows programmors to express their concepts in fewer lines of lode.

what ware the key features of python?

\* Early to learn

\* Externible

\* Free and open source

\* Scalable

\* High level language

\* Portable

\* Object priented

\* Interpreted

Python is called an interpreted language?

Python is called an interpreted language herause it igoes through an interpreter which turns water you write into the language understood by your computer's process. That is it converts source sode written by the developer into intermediate language muhich is again translated into native language muchine language that is secured.

How is memory managed in python?

Memory management in python involves a private heap containing all python objects and data trustures. The management of this private heap is emured internally by the python memory is emured internally by the python memory manager. Memory management is the process by manager. Memory management is the process by which applications read and write data.

Python path is an emissonment maniable which you sam set to sadd sadditional directories where python will look for modules and where python will look for modules and not set parkages. For most imtallation you should not set these maniables since they are not needed for these maniables since they are not needed for

python to sun. Phython knows where to find its standard library.

6 What were igenerations in python?

Python generators are used to create iterators, aut unith a different approach generators are simple functions which return an iterable sore simple functions which return an iterable set of items, one sat a time in a special way. The generator function sam generate sas many the igenerator function sam generate sas many undues sposially infinites as it wants, yielding undues sposially infinites as it wants, yielding each one in its turn.

Ves, python have oops doncepts?

Ves, python have oops doncepts.

Python in an object oriented programing and includes doncepts like object, class, method, includes doncepts like object, class, method, inheritance, polymorphism, data abstraction, encapsulation.

8 Is python wase sensitive?

Yes, python is was sensitive language.

This mean mariable and mariable are not same.

Always give the identifiers a name that makes

sense.

It has 79 characters.

There are certain rules that users must follow to name an identifier.

10 With Python, how do you find out which directory you are currently in?

To find out which directory in python you are currently in, we the getwel() method.

Ewo is for werent working directory in python.

This networks the path of the werent python directory as a string in python.