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Introduction :-

What is programming ?

Programming is a way to instract the Computer to perform various tasks.

What is Python ?

Python is a simple and easy to understand langauge which feels like reading simple English. Thus Pseudo Code nature of Python makes it easy to learn and understandable by beginners

Features of Python.

＊ Easy to understand
＊ less development time
＊ Free and open source
＊ Hight level langauge
＊ Portable → Works on Linux / Windows / mac.
Fun to work with

Installation :-

Just install it likes a game. Python.org

Chapter - 1

Modules , Comments & pip

Lets write our very fast python program
Create a file called hello.py and put the
below code in it.

Print ("Hello world") → Print is a function (More latte

Execute this file (.py file) by typing python
hello.py and we will see hello word
printed on the screen.

Modules

A module is a file containing code
written by some body else (usecally)
which can be imported and used in
our programs.

\# We other program code in our
programming than we use moduels Just
like (OS)

Types of modules

1. Built in Modules → Pre installed in python like
   OS, abc, etc.
2. External Modules → Need to install using pip
   Just like tensorflow, flask, etc.

Pip

Pip is the package manager for Python
We can use pip to install a module
on our system

\# in output section we write pip install flask
and he installs flask module.

Using Python as a Calculator

We can use python as a calculator
by typing "Python" + ←⏎ (Enter) on the
(terminal).
↳ this opens REPL or
Read Evaluate Print loop

Comment

Comment are used to write somthing
which the program does not want to
Execute.
Can be used to mark author name,
date, code meaning meaning etc.

Types of comments.

1. Single line Comment → Written using \#
2. Multi line Comment → written using ''' Comment'''
'''

Practice set - 1

Q.1 Write a program to print Twinkle twinkle little star poem in python.

Ans So first we Copy this poem in google and then write → print " ----- ---- " + ⏎ Enter but it does not work because it is string so that means it is more then one line so we solve this type

Print ("""twinkle ------- (''' ---- ''') this is nat
     - - - - - - -   Comment.
     - - - - - - are.""") '''(" ---- ")'''
                          this is Comment.

o/p = twinkle ----- ---- ... what you are.

Q.2 Use REPL and Print the table of 5 wing it.

Ans going into ⚏ window and click right buttom in mouse and then chose power Sell and write Python ⏎ Enter and then 5 * 1 ⏎
                    5 * 2 ⏎
                    5 * 3 ⏎

                          and so on.

Que-3 Install an External module and use it to
perform an operation of your interest.

ns -

u-4 Print a directory using os module. Search
online for the function which does that.

1- Use comment in problem -4.