	Principles of Programming languages 22 07 20.
	PG43. Jaynam Modi, G3.
	Lab Assignment 1.
	Problem Statement! Introduction to Basix Python commands.
	rython commands.
	Objectives:
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	1. To become familiar with the fundamentals
	1. To become familier with the fundamentals of python.
	2. To study syntax of basic constructs in
	2. To study syntax of basic constructs in python such as for loop, while, if else, functions, print, import etc.
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	Jungtons, print, april 2
	Theory.
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	Pythonis an interpreted, Object-oriented, 3rd
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- Built in data types in python are:
 - 0 Tent type 8tr.
 - O Municia type Int, Float, complex
 - o sequence types list, tuple vange.

 o mapping type dict.

 - 0 set type- set, Frozenset.
 - o boolean type-bool.
 - o Binary type-bytes, bytearray, menioryniew.
- Coding:
 - 1. Implement a program in python For collecting 4 subject marks from uses and find out average a display result in grades.
- 2. Display the table of 5 by using for re while loop in python.
 - def calc Grade (): Marks = [0,0,0,0] average = 0.0 grade = None
 - print (" > Please enter the marks jon.")

For a in range (4):

marks [a] = Float (input ("It > Subject
{3: "Format (a+1))) average += marks [a]. average = average /4. iF average > 90:

grade = "Fredlent"

elif average > 70:

grade = "A+". grade = "Failed". print (" > Average: £3". Format (average)) prent (" > Grade: {3". Format (grade)). cale Grade (). 30 Stone orlease 3 dollar For i in vange (1,11): print ("> {3 x {3 = {3". Format (x, i, x*i)} j= 11 while j <= 20: print ("> {3 > {3 = {3". Format (x, j, x=j))

- FAQS. DIDIZ TOTALON
- 1. Command to run python program:
- on linux, the command to run a python program is python Flename.py".
- 2. Explain control structures used in python
- -> selection used for decisions/branching/choosing from 2 on more alternative process yours,
 - eg: if-elif-else, suito. if-else, if-elif, if.
- iteration used for looping, i.e. repeating a pièce of code based on certain conditions.
 - eg: For, while
- 3. Mane atteast 3 platferns for python Emplementation

For i'm vange (1,11):

-> Linux, MacOS, Windows, Andread etc.