-) it contain Similar Type of data elements. e) Array. I will not be getting This array by default we need to import module to met array. import array. M from array imports instead of Calling array every time we can write it has ext import array as arr. data type and Type coole vals = 20000 ((1), [5,9,8,4,2]) Point (vals) 019+ (1630 3920,5) Address of Array count | size (mothed) point (vals-revenuel)) & _not work like This Print (vals. Typecode ()

vals = array. ('i', [5, 9, -8, 4, 2]) vals. revorse () print (vals) # pringin value one by one vals 2 array ("ij", [1, 5, 3, 2, 4]) for in range (5°)

it represent the index size

print (vals (i1))

print (vals (i1)) for i in vals: # Taking old Armay values to new Armay, vals > Array (":", [", 2,4,5,6]) This atites one one value newArray = array (vals type code, (a tor a invals) for a in new Brown.

print (a)

from Array import all the functions. & Using while loop Array declare import as 22 E datatype code, it's a inter arr = array (1', [1, 5, 6, 8, 4]) newarray ; array (arritype code, la tor a any Telles which type dates to post. Code belongs to. 1=0 - start from while i ~ lin(newArray)! print (new Array [i]) it= 1 outou pand to plass bempty array arr = array (1:1, [])

or Functions Auchion is used to reduce The code where we can can any number of time Sydand by greet ()'. print ("Good morning") print ("Hello") 0 greet () y - calling function greet (). def add (x, y):

ce x + y

point (c) / return & c result = add (5, 4) - Calling. (3) working with Ino diff add Sub (x, y ?: C = x+4 d=x-y return c, d result, result = add_Sub(5,4) print (result), result 2).

Patterns tor i in range (0,60): 1-2.1 for j in range (0, i+1): Print (" +", end = " ") Print ("") 4 4 4 4 5555 for i in range (0,n): for i in range (@ it)! print (i, end = "") Print (49)

of Prime number for i'm range (2, num). if num 1. 1 ==0! print ("it is in not prime") point ("it is poine") -) Arm Strong number a soul field at かられるこうかん To get in now format print ("#", end ="")

print ("#", end ="") Olas H # # print(" #", ends)"

print()] in same U. 16 ine is from (16 time is from (16 time is from) print (ine of print (ine of) then go to the first (ine of come ant of the loop. Then go to the first line of The code:

Object oriented programming - it aims to implement real world entities like inheritance, polymorphisms, encapsulation, etc. main concepts of oups oclass -> objects cless) they -b polymorphism -4 Enlapsulation warmer growth med -> Inheritance -4 Data Abstraction - defining class class computer: where we can write def config (self)! Lattributer - variables print ("is, 15gb, 178) Behavior - mothods)

[functions]

in oppl we call

nem as methods. com 1 = computer () > object of computer class Print (Type (com 1)) Class istris predifind. b/P: (classimin computer) our class. uger defind

class computer ! -> class declaration ax: def config (Self): - method (function) declared to Print ('is, 1696, 178') com1 = computer() -> Object class name. method (object) Com 2 = Computer () piomputer. Lonfig (comi) y 3 to call The method. a computer config (com2) com 1. config () y mostly ne me This mother de com 2. config () to declar object to normally we call fourthon directly using. function name. But in oops in call function (method) by ming ext config (). clais rane. and object. because one class con contain many objects &o. we have to mention The object name also, in me matro of ment . insoputer config (com). comt is not as a paramer where it is

another behiour to call method (Function) com1. config () in This config will tage
com1 has parameter
init is called it self. 2) it is new to initialized The Variables. of Init - method I working with variables class Computer: Special

Special

Ly-init--(self, cpu, pam), variables methods

Self. cpu = (put bigiect

Suf. ram = ram

Suf. ram = ram duf config (self): Print ("config is", self. cpv, self. roun) com 1 = computer (1 is 1/16) - sobject creation, contrain (com 2 = computer ('Ryzen 3', 8) romi. confige) here we have toanign Two variables and Args (allingted): [om 2 - config () with object (self) Ex = self. cpu = cpu self -ram = ram. Explanation heave we are wing you and ran has Two arguments and me are passing Three agreement. here com 1. config 1) in This config takes com! has Argument (object, value, Ram)