Control structures:

Ocontrol structures: The blocks that analyze variables and choose directions in which to go based on given parameters.

→ Binary Operators:

- O works with two operands.

 ② Operand can be a+b → wher a,b are two operands and 3 is a variable. > Relational operators:

O type of binary operator

- 3 compares values on either side and returns a boolean value
- → Aims to implement real-world entitles like inheritence, polymorphism encapsulation etc. The main concept of ooks is to bind the data and functions that work on that together as a Single units some of Defining a class

Main concepts of oops
length and breadth as attributes

Oclassian discourse in it () constructor of class

reck breadth

(* Parametrised

① claus

② objects
③ polymor phism
④ encapsulation
⑤ Inheritance
⑤ Inheritance
⑥ Inheritance
⑥ Self parameter-te fers to newly
created instance
⑥ encapsulation
⑥ encapsulation
⑥ encapsulation
⑥ Inheritance
⑥ Inhe

(Hose) now sintustry self. lungth = 10

1/p: rect = retainque 1 1 100 the mutor self. breadth =5 rect. breadth (2,000 signals = 1501 4):

olo: 5. (Doors statustes toos 19);

@ Parametrised Constructer: class rectangle: def __ init _ Cself, length, breadth): Self. length = length Self. length = breadth:

self. breadth = breadth:

rect = Rectangle (5,10), breadth. rect. breadth Object binary operator (1) Class Variable: Defining a variable in a class. E. class circle: Pi=3.14 Sclaw Variable Instance Variable

def-init-. (self, radius):

Self. radius = radius circle

elans pi = 40

Adding a method to theclass

Claw name sclaw variable

Claw name sclaw variable · calculate = area() = returns product of length and breadth. ilp: clars Rectangle: 150 association with instance 100 ilp: clars Rectangle: 1500 association with instance 100 det strinit - (self, lungth breadth). Mid vongdog ()

Self, lungth = lungth objection ()

Self, breadth = breadthistion () def calculate- area (self):

def calculate- area (self):

return self. length * self. breadth 1/p: rect = rectangle(10,5) different. fines ilp: rect. calculate - area() olp: 50