Onces' what we the fine concepts of OOPs ? The five concept of our one (1) Abstraction -> should only relevant details to the user, hide unexpected or irredevant features (ii) Encapsulation -> Binds data variables and nethods together in a class. 1111 Inheritance -> One class inherits the functions and properties of another Class. (iv) Polymosphosim -> Objects can take on more than one form and share behaviours. (v) Classes & objects -> Class is a coding template for creating objects. -> Objects are variable that contain data and function that can be used to manipulate the data. Ques 3 Explain the difference Between instance method and clars methods. Provide Eample of each. Interne Method -> When creating an interne method, the first parameter is always (self). > Through the sey parameter, instance methods can freely accers attribute and other methods on the Same object. les clars K: (self, name); self name = name def introduce (self):
point ("Mello", self, name self. name). Clars niethod -> Instead of parring the instan hiddenly as afrost parameter, we're now paring the class itself as it a first paramet

dars ds: @ class method def introduce (ds) point ("rello", ds) Since, we we parsing only a dars to the method, no instance is involved. Que's How does Python implement mothed overloading? 7 Python overloading Two or more methods have the same name but different types of parameter of > Python does not support method overloading by default. different ways to achieve nothed overloading in Python. here, it is Es def product (a, b): overloading happen. ρ = (a*b)
ρ rint(ρ). second product def product (a, b, c): 1 execute point (p) -) 100 Product (4,5,5) -Our 5 What are the three type of access modifiers in Python ? How are they denoted (i) Public -> access by anyone, publically The Public, access modifier allows clars number to be Transcentile anywhere in the program.

obj=nyclars;

obj:ny-public()

print ("I am CR7")

Transcenti obj = myclass ()

1 Protected -> The Protected access modifier restricted the access of class member within the dans and it's subclares. -> To denoted protected member -> wx > underwood-) en - def - my-protected_nethod (self)
print ("I am a Protected method") Brivate => it restricts the accers of clars number to within the clars only. -> Denote poivate member -> use -> double undervio En def -- ny-private (self)