At: 03/11/2023 Name: - S. Naveen 1, Explain access modifiers? Any Access modifiers defines The Scope of a Veriable of a Function Naviable They are devided by 4 Types. -> public -> private -> protected -> Protections
-> Internal 2, scope of a variable/function in a class? A:- Scope of a Variable in pymon in 3 Types, 1) Global Scope 2) partially private scope 3) Strictly private scope 1) Global scope: In Global scope is nothing but a public scope. This variable Gn aussi ourside et a class. Ex- clay student: FirstName: Str = "Naveen" lastolame: str = "Kennar" emp & Boughayare Student () print (emp. first Name) #1019= "Navear". 2) partially private scope? partially private variable function

Functional scope/local Scope: Creating a function Variable with in The function is called function scope Mocal scope. Ext def fue Namel) global finame LName = "Naveen"

fName = "Kumar" fuer Name () print (folame) # & Kumar" Print (IName) # Error. Block Scope Nanable: - (reating a variable inside of a Control Statement. 4) Example of Abstraction Variable? Class Student: -- firstolame: str = "Naveon" -- Last Name: str 2 " Kumow" det fuurame (sux) return self. -- firmoname + " + self. - lastoname Stu=StudentO Buend - Landame 2" ABC" print (stu fundamet.)

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1) Abstraction with Exampres?

A!- creating a private function in a class to hide potential logic and creak a public function to access required information from That Class.

-> By using abstraction provide security

Ex:- class Employee:

-- first Name: str: "Naveen"
-- Last Name: str: "Kumar"
def fuuname (seet):

veturn self. -- name formet (
Self. -- fivitname, self. -- lagrim)
def. -- name formet Cself, forlame: Str,

tname: str):

return f "Afrlamet [Iname]"

emp = Employee ()

emp:-- first-Name = "ABC."

print (emp. fuunameu)

pint Cemp_name format (Naveur)

2) What is an inheritance and explain about inheritance?

Du Creating a class from another Class is Cauch inheritance

- creating achild class from parent class
- o creating a bor derived class from base class.

Types of Inheritance

- > single lever
- multi level
- > multiple
- -) Atypred
- + Hierachical

3) Types of Inheritance?

Ay Creating a class from another class is Racked as Inheritance

There are 5types, Those

- 1) Single level
- 2) multi lever
 - 3) multiple
 - 4) Highred
 - 5) Hierachical