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In [ ]: # Lab Exercise 3
# Write a function in Python with a string such that it accepts a parameter- "stringsplit". This encoded string will contain your name, domain name and register number. You can separate the values in the string by any number of underscores.
# For example, if the input would be " Aaron__Googleplaystore__2347201". Then the function should return the output as follows:
# { "name": " Aaron ",
#   "Domain_name": " Googleplaystore ",
#   "Regno": "2347201"}

def dict_conversion(str1):
    dict1={"Name":str1[0],"Domain_name":str1[1],"Regno":str1[2]}
    return dict1

string1='Koushik Das_Student Portal_2347232'
str1=string1.split("_")
res=dict_conversion(str1)
print(res)

{'Name': 'Koushik Das', 'Domain_name': 'Student Portal', 'Regno': '2347232'}
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In [ ]: # Lab Exercise 4
# Write a Python program to implement the object-oriented concepts of multiple, Multilevel and Hierarchical Inheritances using your domain applications.

# multiple-2 to one
# multilevel-one after another
# hierarchical-

#Parent Class
class Student_Portal:
    def __init__(self,std_id,std_name,std_school):
        self.student_id=std_id
        self.student_name=std_name
        self.student_school=std_school
    def display(self):
        print(self.student_id)
        print(self.student_name)
        print(self.student_school)
        print("\n")
std=Student_Portal(2347232,"Koushik Das","Christ University")
std.display()

#Child Class
class Admin(Student_Portal): #Single Inheritance
    def __init__(self):
        super().__init__(2347892,"KD","Calcutta University")
    def can_see(self):
        print(self.student_id)
        print(self.student_name)
        print(self.student_school)
        print("\n")
ad=Admin()
ad.can_see()

#Child Class
class Contact_Info(Student_Portal):#Admin and Contact_Info are Hierarchical Inheritance
    def __init__(self):
        super().__init__(2347262,"KD1","Jadavpur University")
        self.contact_number="8583915344"
        self.address="Kolkata"
        self.pincod="700143"
    def display(self):
        print(self.student_id)
        print(self.student_name)
        print(self.student_school)
        print(self.contact_number)
        print(self.address)
        print(self.pincod)
        print("\n")

cont=Contact_Info()
cont.display()
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2347232
Koushik Das
Christ University

2347892
KD
Calcutta University

2347262
KD1
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