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#Enrollment No: 202203103510097
#Name: Angat Shah
#Branch: B.Tech Computer Science and Engineering

class University:
    def __init__(self, name, year_of_estd, city):
        self.name = name
        self.year_of_estd = year_of_estd
        self.city = city

    def display(self):
        print("Name:", self.name)
        print("Year of establishment:", self.year_of_estd)
        print("City:", self.city)

class professor(University):
    def __init__(self, name, year_of_estd, city, designation,
highest_qualification, area_of_research, year_of_joining, year_of_experience,
name_of_institute):
        super().__init__(name, year_of_estd, city)
        self.designation = designation
        self.highest_qualification = highest_qualification
        self.area_of_research = area_of_research
        self.year_of_joining = year_of_joining
        self.year_of_experience = year_of_experience
        self.name_of_institute = name_of_institute

    def display(self):
        super().display()
        print("Designation:", self.designation)
        print("Highest qualification:", self.highest_qualification)
        print("Area of research:", self.area_of_research)
        print("Year of joining:", self.year_of_joining)
        print("Year of experience:", self.year_of_experience)
        print("Name of institute:", self.name_of_institute)

class LabAssistant(University):
    designation = "Lab Assistant"

    def __init__(self, name, year_of_estd, city, highest_qualification,
additional_skills, year_of_joining, name_of_institute):
        super().__init__(name, year_of_estd, city)
        self.highest_qualification = highest_qualification
        self.additional_skills = additional_skills
        self.year_of_joining = year_of_joining
        self.name_of_institute = name_of_institute

    def display(self):
        super().display()
        print("Designation:", self.designation)
        print("Highest qualification:", self.highest_qualification)
        print("Additional skills:", self.additional_skills)
        print("Year of joining:", self.year_of_joining)
        print("Name of institute:", self.name_of_institute)

class OfficeAssistant(University):
    designation = "Office Assistant"

    def __init__(self, name, year_of_estd, city, highest_qualification,
year_of_joining, name_of_institute):
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57         super().__init__(name, year_of_estd, city)
58         self.highest_qualification = highest_qualification
59         self.year_of_joining = year_of_joining
60         self.name_of_institute = name_of_institute
61
62     def display(self):
63         super().display()
64         print("Designation:", self.designation)
65         print("Highest qualification:", self.highest_qualification)
66         print("Year of joining:", self.year_of_joining)
67         print("Name of institute:", self.name_of_institute)
68
69 class Peon(University):
70     job_role = "Office Peon"
71
72     def __init__(self, name, year_of_estd, city, qualification,
73 year_of_joining, name_of_institute):
74         super().__init__(name, year_of_estd, city)
75         self.qualification = qualification
76         self.year_of_joining = year_of_joining
77         self.name_of_institute = name_of_institute
78
79     def display(self):
80         super().display()
81         print("Job role:", self.job_role)
82         print("Qualification:", self.qualification)
83         print("Year of joining:", self.year_of_joining)
84         print("Name of institute:", self.name_of_institute)
85
86 print("Choose an option:")
87 print("1. Professor")
88 print("2. Lab Assistant")
89 print("3. Office Assistant")
90 print("4. Peon")
91 print("5. Exit")
92 ch = int(input("Enter the choice to get data of? "))
93 print()
94 print("ABOUT UNIVERSITY: ")
95 uni = University("Uka Tarsadia University", 2011, "Bardoli")
96 uni.display()
97 print()
98 if ch == 1:
99     print("INFORMATION OF PROFESSOR: ")
100     prof = professor("John Wick", 1990, "New York", "Assistant professor",
101 "PhD", "Artificial Intelligence", 2015, 6, "MIT University")
102     prof.display()
103
104 elif ch == 2:
105     print("Information of Lab Assistant: ")
106     la = LabAssistant("Ethan Hunt", 1987, "New York", "B.Tech", "AI and
107 Machine Learning", 2016, "Harvard University")
108     la.display()
109
110 elif ch == 3:
111     print("Information of Office Assistant: ")
112     oa = OfficeAssistant("Stephen Strange", 1987, "Manhattan", "MBA", 2019,
113 "Stanford")
114     oa.display()
115
116 elif ch == 4:
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113     print("Information of Peon: ")
114     pn = Peon("Finn Mikaelson", 1981, "Texas", "BBA", 2020, "Harvard
University")
115     pn.display()
116
117 else :
118     print("Invalid Error")
119 print()
120
121 print("-*-*-*-*-*END OF PRACTICAL 12-*-*-*-*-*")
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