1. 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. [The string should not contain any other underscore symbols in your name, domain name and register number]. The function should return a Python dictionary with your name, domain name and register number. 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" }

2. Write a Python program to implement the object-oriented concepts of multiple, Multilevel and Hierarchical Inheritances using your domain applications.

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In [ ]: # defining User Parent Class
              # defining User Parent Class
class User:
    def __init__(self, username, role):
        self.username = username
        self.role = role
    def display_info(self):
        print(f*'Username: {self.username}, Role: {self.role}")
#Defining Different Roles for the User
class Admin(User):
    def __init__(self, username):
        super().__init__(username, "Admin")
                        def manage_documents(self):
                               print(f"{self.username} is managing documents.")
                 class RegularUser(User):
    def __init__(self, username):
        super().__init__(username, "Regular User")
                        def view_documents(self):
    print(f"{self.username} is viewing documents.")
                class Editor(RegularUser):
    def __init__(self, username):
        super().__init__(username)
        self.role = "Editor"
                        def edit_documents(self):
                                 print(f"{self.username} is editing documents.")
                class Viewer(RegularUser):
    def __init__(self, username):
        super().__init__(username)
    self.role = "Viewer"
                        def view_only(self):
                               print(f"{self.username} can only view documents.")
                # Createing instances and demonstrateing the relationships
admin = Admin("admin_user")
editor = Editor("editor_user")
viewer = Viewer("viewer_user")
                 print("Admin")
admin.display_info()
                 {\tt admin.manage\_documents()}
                 editor.display_info()
                 editor.view_documents()
editor.edit_documents()
                print("Viewer"
                 viewer.display_info()
viewer.view_documents()
                viewer.view_only()
              Username: admin_user, Role: Admin
              admin_user is managing documents.
              Username: editor_user, Role: Editor editor_user is viewing documents. editor_user is editing documents.
              Viewer
              Viewer
Username: viewer_user, Role: Viewer
viewer_user is viewing documents.
viewer_user can only view documents.
```