NAME- JUHI BANO

Enrollment – 0176CD231080

Batch – 5

Batchtime – 10:30am to 12:10 pm

Ques. – you have to create student system with fuctionality:

-> registration of the student (take at least 10 field)

-> login(username,password)

->show profile

->update profile

->exit

Sol.-

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class Students_System_useforlogin:
  def init(self):
    self.students = {}

  def register(self):
    print("\n Student Registration")
    username = input("Enter Username: ")
    if username in self.students:
      print("Username already exists. Try another.")
      return

    password = input("Enter  your password: ")
    name = input("Enter your full name: ")
    roll_no = input("Enter your roll number: ")
    email = input("Enter your email: ")
    phone = input("Enter your phone number: ")
    dob = input("Enter  your date of birth (Date/month/year): ")
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        address = input("Enter your address: ")
        course = input("Enter your course: ")
        year = input("Enter year of study: ")
        gender = input("Enter your gender: ")

        self.students[username] = {
            "Password": password,
            "Name": name,
            "Roll_no": roll_no,
            "Email": email,
            "Phone": phone,
            "DOB": dob,
            "Address": address,
            "Course": course,
            "Year": year,
            "Gender": gender
        }

        print("Registration successful!\n")

    def login(self):
        print("\n Student Login")
        if self.logged_in_user:
            print("Already logged in as", self.logged_in_user)
            return

        username = input("Enter your username: ")
        password = input("Enter  your password: ")
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        if username in self.students and self.students[username]["password"] == password:
            self.logged_in_user = username
            print("Login successful! (completed ) Welcome,",
self.students[username]["name"])
        else:
            print("Invalid username or password.")


    def show_profile(self):
        print("\n Student Profile")
        if not self.logged_in_user:
            print("Please login first.")
            return
        student = self.students[self.logged_in_user]
        for key, value in student.items():
            if key != "password":
                print(f"{key.capitalize()}: {value}")


    def update_profile(self):
        print("\n Update your Profile ")
        if not self.logged_in_user:
            print("Please login first.")
            return
        student = self.students[self.logged_in_user]
        for key in student:
            if key == "password":
                continue
            new_value = input(f"Enter new {key} (leave blank to keep current: {student[key]}):
")
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        if new_value.strip():
            student[key] = new_value
    print("Profile updated successfully.")

def logout(self):
    if self.logged_in_user:
        print(f"User {self.logged_in_user} logged out successfully.")
        self.logged_in_user = None
    else:
        print("No user is currently logged in.")

def run(self):
    while True:
        print("\n= Student Management System =")
        print("1. Register")
        print("2. Login")
        print("3. Show  your Profile")
        print("4. Update your Profile")
        print("5. Logout")
        print("6. Exit")
        choose = input("Enter choice: ")

        if choose == "1":
            self.register()
        elif choose == "2":
            self.login()
        elif choose == "3":
            self.show_profile()
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        elif choose == "4":
            self.update_profile()
        elif choose == "5":
            self.logout()
        elif choose == "6":
            print("Exiting system. Goodbye!")
            break
        else:
            print("Invalid choice. Please try again.")
if __name__ == "__main__":
    system = Students_System_useforlogin()
    system.run()
```