NAME- MUKUL NAMDEV

Enrollment – 0176AL231070

Batch – 5

Batchtime – 10:30 am 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.-

```
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): ")       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: ")
    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]}):
")
            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()
  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()
```