Midterm Lab Task 1.

Problem 1. Use Appropriate Escape Sequence(\n, \t \b \ ..etc) for the problem below

Item Description

Create a program that prints the following text:

```
Database Record
\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
Name:        John Doe
Email:        john.doe@example.com
University:    ABC University
```

Sample Output 1

```
Database Record
\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
Name:        John Doe
Email:        john.doe@example.com
University:    ABC University
```

Problem 2. Using Placeholders for Email Details: Use appropriate type specifiers %s, %d, %f etc… for this task

Item Description

Write a program that prints the output below:

```
Dear John, I hope this email finds you well.
I wanted to reach out and say hello.
I hope you are doing well and enjoying your day.
It's been a while since we last spoke, and I wanted to catch up with you.
Let's plan to meet up soon and have a great time together!
Subject: Greetings
Sender: Jane
Version: 1.2
Discount: 10.50%
Status: A
Code: ABCD123
Location: City XYZ
Age: 30
Company: ABC Corporation
Website: www.example.com
Phone: +1 123-456-7890
Job Title: Software Engineer
Department: Engineering
```

The program should use placeholders to present the information accurately.

Problem 3. Book Reservation; Accept User Input

Write a program that asks the user to enter the title of a book (string), the author (string), the year of publication (int), the genre (string), the library (string), the member ID (string) and the return date (string). Print the entered values directly. The output should look like:

```
You have successfully reserved the book [Title] by [Author].
Year of Publication: [Year]
Genre: [Genre]
Library: [Library]
Member ID: [MemberID]
Return Date: [ReturnDate]
```

Sample Output 1

```
Enter the book title: 1984
Enter the author: Orwell
Enter the year of publication: 1949
Enter the genre: Dystopian
Enter the library: Central
Enter your member ID: 12345
Enter the return date: 2023-07-10
You have successfully reserved the book '1984' by Orwell.
Year of Publication: 1949
Genre: Dystopian
Library: Central
Member ID: 12345
Return Date: 2023-07-10
```

Sample Output 2

```
Enter the book title: Mockingbird
Enter the author: Lee
Enter the year of publication: 1960
Enter the genre: Fiction
Enter the library: Westside
Enter your member ID: 67890
Enter the return date: 2023-06-28
You have successfully reserved the book 'Mockingbird' by Lee.
Year of Publication: 1960
Genre: Fiction
Library: Westside
Member ID: 67890
Return Date: 2023-06-28
```

Problem 4. Day Identifier

Write a program that takes an integer (1-7) as input and prints the corresponding day of the week based on the following conditions:

- If the input is 1, print "Monday"
- If the input is 2, print "Tuesday"
- If the input is 3, print "Wednesday"
- If the input is 4, print "Thursday"
- If the input is 5, print "Friday"
- If the input is 6, print "Saturday"
- If the input is 7, print "Sunday"
- If the input is any other value, print "Invalid input"

Sample Output 1

```
Enter day: 1
Monday
```

Sample Output 2

```
Enter day: 4
Thursday
```

Sample Output 3

```
Enter day: 5
Friday
```

Angeles, Gabriel Elmo L.
BSCS - C204

Problem 1. Use Appropriate Escape Sequence(\n, \t \b \ ..etc)
for the problem

```python
name = "Angeles Gabriel"
email =  "gangeles24-0191@cca.edu.ph"
school = "City College of Angeles"

print("Database Record")
print("////////////////")
print("Name: " + name)
print("Email: " + email)
print("School: " + school)
```

Sample Output #2

```
C:\Users\COMLAB\PycharmProjects\Angeles\venv\Scripts\python.exe
Database Record
////////////////
Name: Angeles Gabriel
Email: gangeles24-0191@cca.edu.ph
School: City College of Angeles

Process finished with exit code 0
```

Problem 2. Using Placeholders for Email Details: Use appropriate type
specifiers %s, %d, %f etc…

```python
Name = "Angeles Gabriel"
Subject = "7OOP1"
Sender = "pusa"
Version = "1.1"
Discount = "20%"
Status = "Online"
Code = "Python"
Location = "Angeles, Pampanga"
Age = "21"
Company = "Company Name"
Website = "https://github.com/angelesge11"
Phone = "09776293154"
Occupation = "Student"
Department = "ICLIS Dept."
```
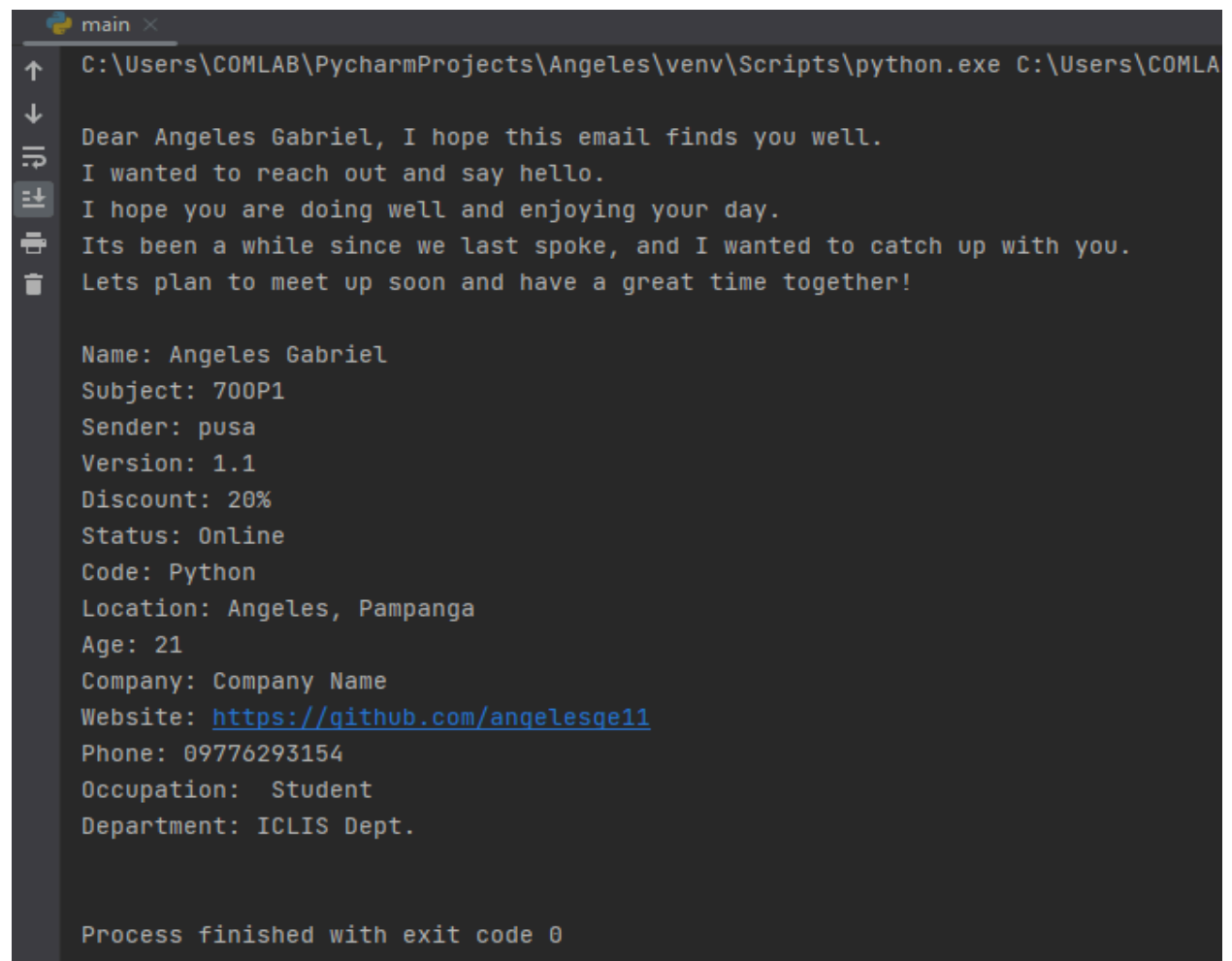
```python
message = f"""
Dear {Name}, I hope this email finds you well.
I wanted to reach out and say hello.
I hope you are doing well and enjoying your day.
It's been a while since we last spoke, and I wanted to catch up with you.
Let's plan to meet up soon and have a great time together!

Name: {Name}
Subject: {Subject}
Sender: {Sender}
Version: {Version}
Discount: {Discount}
Status: {Status}
Code: {Code}
Location: {Location}
Age: {Age}
Company: {Company}
Website: {Website}
Phone: {Phone}
Occupation:  {Occupation}
Department: {Department}
"""
print(message)
```

Sample Output #2

```
main

C:\Users\COMLAB\PycharmProjects\Angeles\venv\Scripts\python.exe C:\Users\COMLA

Dear Angeles Gabriel, I hope this email finds you well.
I wanted to reach out and say hello.
I hope you are doing well and enjoying your day.
Its been a while since we last spoke, and I wanted to catch up with you.
Lets plan to meet up soon and have a great time together!

Name: Angeles Gabriel
Subject: 700P1
Sender: pusa
Version: 1.1
Discount: 20%
Status: Online
Code: Python
Location: Angeles, Pampanga
Age: 21
Company: Company Name
Website: https://github.com/angelesge11
Phone: 09776293154
Occupation:  Student
Department: ICLIS Dept.


Process finished with exit code 0
```

Problem 3. Book Reservation; Accept User Input

```python
title = input("Enter the name of the book : ")
author = input("Enter the author: ")
year = int(input("Enter the year of publication: "))
genre = input("Enter the genre: ")
library = input("Enter the library: ")
member_id = input("Enter the member ID: ")
return_date = input("Enter the return date (YYYY-MM-DD): ")

print(f"\nYou have successfully reserved the book '{title}' by {author}.")
print(f"Year of Publication: {year}")
print(f"Genre: {genre}")
print(f"Library: {library}")
print(f"Member ID: {member_id}")
print(f"Return Date: {return_date}")
```

Sample Output #3

```
C:\Users\COMLAB\PycharmProjects\Angeles\venv\Scripts\python.exe C:\Users\COMLAB\Pych
Enter the name of the book : Book Example Name 1
Enter the author: Auther Example 1
Enter the year of publication: 2024
Enter the genre: type
Enter the library: school library
Enter the member ID: 24-0191
Enter the return date (YYYY-MM-DD): 2025-09-01

You have successfully reserved the book 'Book Example Name 1' by Auther Example 1.
Year of Publication: 2024
Genre: type
Library: school library
Member ID: 24-0191
Return Date: 2025-09-01

Process finished with exit code 0
```
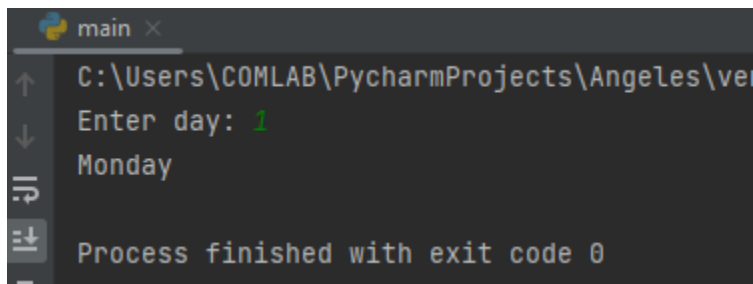
Problem 4. Day Identifier

```python
day = int(input("Enter day: "))

if day == 1:
    print("Monday")
elif day == 2:
    print("Tuesday")
elif day == 3:
    print("Wednesday")
elif day == 4:
    print("Thursday")
elif day == 5:
    print("Friday")
elif day == 6:
    print("Saturday")
elif day == 7:
    print("Sunday")
else:
    print("Invalid input")
```

Sample Output #4

```
main ×
C:\Users\COMLAB\PycharmProjects\Angeles\ve
Enter day: 1
Monday

Process finished with exit code 0
```