Midterm Lab Task 1.

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

for the problem below

| Create a progr | am that prints the following text: | |
|---|---|--|
| Database Rec | ord | |
| 11111111111 | *************************************** | |
| Name: | | |
| | john.doe@example.com | |
| University: | ABC University | |
| | | |
| | | |
| Sample Output 1 | | |
| Database Reco | rd | |
| ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | | |
| Mama | John Doe | |
| ivame: | | |
| | john.doe@example.com | |

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]
```

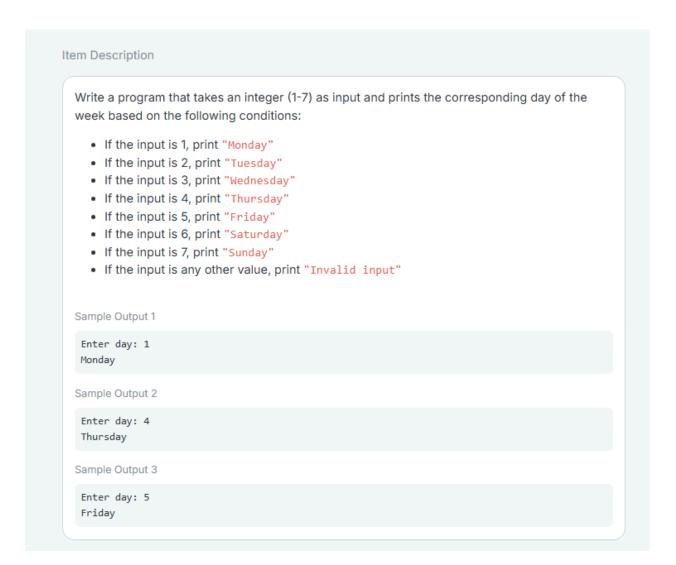
Sample Output 1

```
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
```

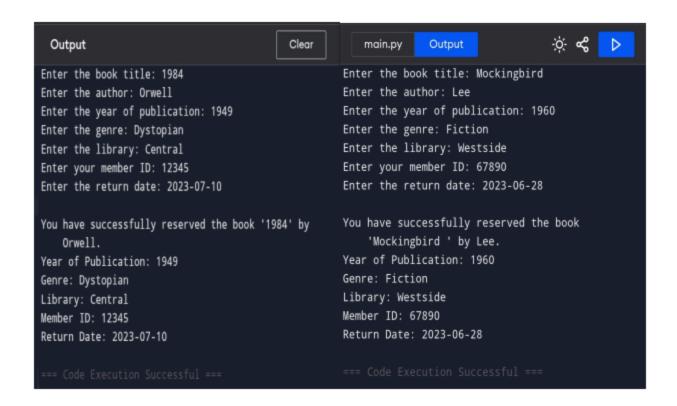
Problem 4. Day Identifier

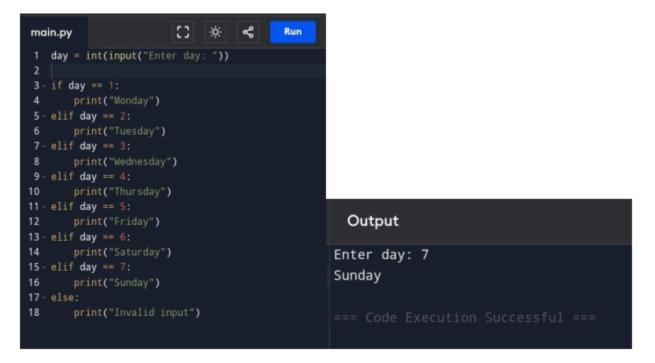


Source Code



```
£3 *
                                              ≪ Run
main.py
                                                                                                                            Clear
                                                                      Output
    name = "John"
sender = "Jane"
    version = 1.2
discount = 10.5
                                                                   Dear John, I hope this email finds you well.
                                                                   I wanted to reach out and say hello.
    status = "A"
code = "ABCD123"
                                                                   I hope you are doing well and enjoying your day.
                                                                   It's been a while since we last spoke, and I wanted
   age = 30
company = "ABC Corporation"
website = "www.example.com"
phone = "+1 123-456-7890"
job_title = "Software Engineer"
department = "Engineering"
                                                                        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%
    Let's plan to meet up soon and have a great time 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
30 Phone: %s
31 Job Title: %s
32 Department: %s"" % (name, sender, version,
                                                                   Department: Engineering
         discount, status, code, location, age,
                              company, website, phone,
    job_title, department))
```





| Output | Output |
|-----------------------------------|-----------------------------------|
| Enter day: 1 Monday | Enter day: 3 Wednesday |
| === Code Execution Successful === | === Code Execution Successful === |