## 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:	
ordate a progr	and the former and the forming terms	
Database Rec	ord	
111111111111	1111111111111111111	
Name:	John Doe	
	john.doe@example.com	
University:	ABC University	
Sample Output 1		
Database Reco	rd	
111111111111111111111111111111111111111		
Name •	John Doe	
	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]
```

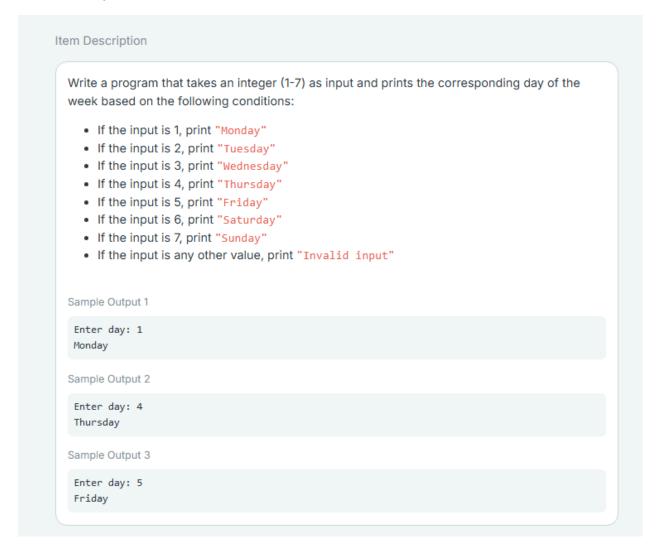
#### Sample Output 1

```
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**



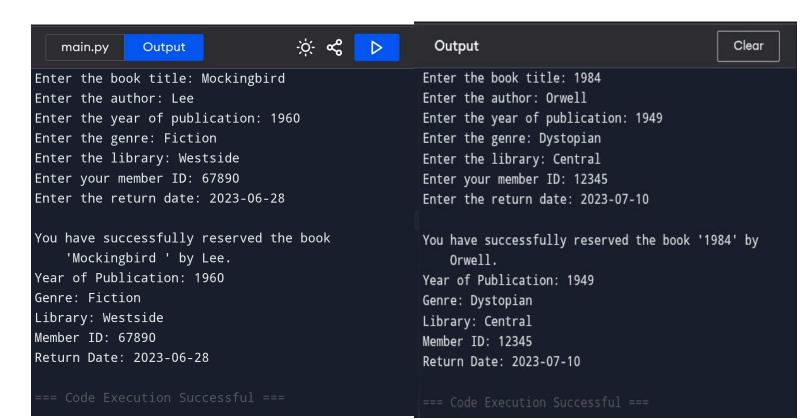
# **Source Code:**

# **Output:**



```
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main.py
                                                          Output
                                                                                                  Clear
    name = "John"
    sender = "Jane"
                                                        Dear John, I hope this email finds you well.
    version = 1.2
  discount = 10.5
                                                        I wanted to reach out and say hello.
  status = "A"
  code = "ABCD123"
                                                        I hope you are doing well and enjoying your day.
 7 location = "City XYZ"
                                                        It's been a while since we last spoke, and I wanted
  age = 30
  company = "ABC Corporation"
                                                            to catch up with you.
10 website = "www.example.com"
                                                        Let's plan to meet up soon and have a great time
11
    phone = "+1 123-456-7890"
    job_title = "Software Engineer"
12
                                                            together!
    department = "Engineering"
13
14
                                                        Subject: Greetings
    print("""Dear %s, I hope this email finds you
15
        well.
                                                        Sender: Jane
    I wanted to reach out and say hello.
                                                        Version: 1.2
   I hope you are doing well and enjoying your day.
   It's been a while since we last spoke, and I
                                                        Discount: 10.50%
        wanted to catch up with you.
   Let's plan to meet up soon and have a great time Status: A
        together!
                                                        Code: ABCD123
   Subject: Greetings
20
21 Sender: %s
                                                        Location: City XYZ
22 Version: %.1f
                                                        Age: 30
23 Discount: %.2f%%
24 Status: %s
                                                        Company: ABC Corporation
25 Code: %s
26 Location: %s
                                                        Website: www.example.com
27 Age: %d
                                                        Phone: +1 123-456-7890
28 Company: %s
29
  Website: %s
                                                        Job Title: Software Engineer
30 Phone: %s
31
   Job Title: %s
                                                        Department: Engineering
   Department: %s""" % (name, sender, version,
32
        discount, status, code, location, age,
33
                          company, website, phone,
                             job_title, department))
34
```

```
æ
                                            Run
main.py
1 title = input("Enter the book title: ")
2 author = input("Enter the author: ")
3 year = int(input("Enter the year of publication
        : "))
4 genre = input("Enter the genre: ")
5 library = input("Enter the library: ")
6 member_id = input("Enter your member ID: ")
7 return_date = input("Enter the return date: ")
8
9 print(f"\nYou have successfully reserved the
       book '{title}' by {author}.")
10 print(f"Year of Publication: {year}")
11 print(f"Genre: {genre}")
12 print(f"Library: {library}")
13 print(f"Member ID: {member_id}")
14 print(f"Return Date: {return_date}")
```



```
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                                 ૡૢ
                                                    Output
main.py
                                         Run
1 day = int(input("Enter day: "))
                                                  Enter day: 1
                                                  Monday
 2
3 if day == 1:
      print("Monday")
 5 elif day == 2:
       print("Tuesday")
                                                   Output
7 elif day == 3:
      print("Wednesday")
                                                 Enter day: 3
9 elif day == 4:
                                                Wednesday
      print("Thursday")
10
11 elif day == 5:
      print("Friday")
12
13 elif day == 6:
                                                    Output
       print("Saturday")
14
                                                   Enter day: 1
15 elif day == 7:
                                                  Monday
       print("Sunday")
16
17 else:
       print("Invalid input")
18
```