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Problem#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
```

Source Code:

```
print("Database Record\n" + "----------------\n"
    + "Name:\tDexter Soriano\n" + "Email:\tsorianoexter001@gmail.com\n"
    +"University: \tCity College of Angeles")
```

Sample Output:

```
Database Record
----------------
Name:   Dexter Soriano
Email:  sorianoexter001@gmail.com
University:     City College of Angeles
```

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.

```
Source Code: 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 = "+1 123-456-789"
job_title = "Software Engineering"
department = "Engineering"
email_body = """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 = %s
sender = %s
version =%.1f
discount =%.2f
status = %s
code = %s
location = %s
age = %s
company = %s
```

```
website = %s
phone = %s
job_title = %s
department = %s
""" %(subject, sender, version,
discount,status,code,location,age,company,website,phone,job_title,department)
print(email_body)
```

Sample Output:

```
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 = +1 123-456-789
job_title = Software Engineering
department = Engineering
```

Problem#3

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]
```

Source Code:

```python
title = input("Enter the book title: ")
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 your member ID: ")
return_date = input("Enter the return date: ")

print(f"you 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:

```
Enter the book title: Noli
Enter the author: Rizal
Enter the year of publication: 1945
Enter the genre: Histor
Enter the library: Manila
Enter your member ID: 042345
Enter the return date: 2005 dec 2
you have successfully reserved the book 'Noli' by Rizal.
year of publication: 1945
genre : Histor
library: Manila
member ID: 042345
return date: 2005 dec 2
```

Problem#4

Problem 4. Day Identifier

Item Description

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
```

Source Code:
```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")
```

```python
else:
    print("Invalid Input")
```

Sample Output:

```
Enter day: 1
monday
```