

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

```
print("Database Record")
print("*****")
print("////////////////////////////////////")
print("*****")
print("Name:\t\tJohn Doe")
print("Email:\t\tjohn.doe@example.com")
print("University:\tABC University")
```

Output:

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

...Program finished with exit code 0
Press ENTER to exit console.
```

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

```
1 name = "John"
2 sender = "Jane"
3 version = 1.2
4 discount = 10.5
5 code = "ABC123"
6 location = "City XYZ"
7 age = 30
8 company = "ABC Corporation"
9 website = "www.example.com"
10 phone = "123-456-7890"
11 job_title = "Software Engineer"
12 department = "Engineering"
13
14 message = f"""
15 Dear {name}, I hope this email finds you well.
16 I wanted to reach out and say hello.
17 I hope you are doing well and enjoying your day.
18 It's been a while since we last spoke, and I wanted to catch up with you.
19 Let's plan to meet up soon and have a great time together!
20
21 Subject: Greetings
22 Sender: {sender}
23 Version: {version}
24 Discount: {discount}%
25 Code: {code}
26 Location: {location}
27 Age: {age}
28 Company: {company}
29 Website: {website}
30 Phone: {phone}
31 Job Title: {job_title}
32 Department: {department}
33 """
34
35 print(message)
```

Output

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

...Program finished with exit code 0
Press ENTER to exit console.
```

Problem 3: Book Reservation; Accept User Input

```
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 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}")
```

Output:

```
Enter the book title: 1984
Enter the author: Orwell
Enter the year of publication: 1949
Enter the genre: Dystopian
Enter the library: Central
Enter the member ID: 12345
Enter the return date (YYYY-MM-DD): 2023-07-10

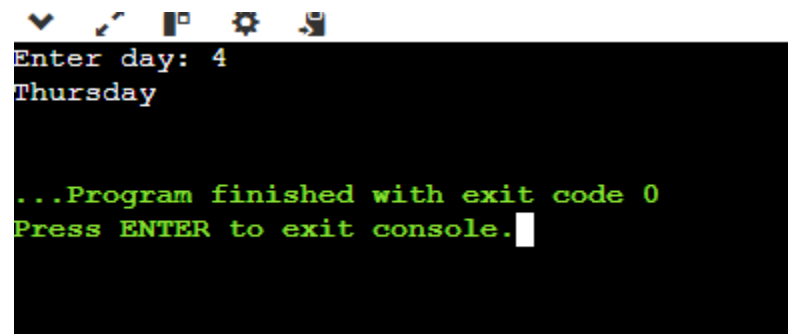
You have successfully reserved the book '1984' by Orwell.
Year of Publication: 1949
Genre: Dystopian
Library: Central
Member ID: 12345
Return Date: 2023-07-10
```

Problem 4: Day identifier

```
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")
```

Output:



```
Enter day: 4
Thursday

...Program finished with exit code 0
Press ENTER to exit console.
```