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### Problem 1

Source Code:

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

Sample Output: (SS)

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

## Problem 2

Source Code:

```
name = "John"
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"

email_details = """Dear %s, 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.
It'd be great 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: %d
Company: %s
Website: %s
Phone: %s
Job Title: %s
Department: %s
"""

print(email_details % (name, subject, sender, version, discount, status,
code, location, age,
                        company, website, phone, job_title, department,))

```

Sample Output: (SS)

```

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.
It'd be great 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

```

### Problem 3

Source Code:

```

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: ")

```

```

message = '''You have successfully reserved the book "%s" by %s.
Year of Publication: %d
Genre: %s
Library: %s
Member ID: %s
Return Date: %s
'''

print(message % (title, author, year, genre, library, member_id,
return_date))

```

Sample Output: (SS)

```

Enter the book title: To Kill a Mockingbird
Enter the author: Harper Lee
Enter the year of publication: 1960
Enter the genre: Gothic
Enter the library: Public Library
Enter your member ID: 24-0042
Enter the return date: 2025-09-13
You have successfully reserved the book "To Kill a Mockingbird" by Harper Lee.
Year of Publication: 1960
Genre: Gothic
Library: Public Library
Member ID: 24-0042
Return Date: 2025-09-13

```

#### Problem 4

Source Code:

```

day_num = int(input("Enter day: "))

if day_num == 1:
    print("Monday")
elif day_num == 2:
    print("Tuesday")
elif day_num == 3:
    print("Wednesday")
elif day_num == 4:
    print("Thursday")
elif day_num == 5:
    print("Friday")
elif day_num == 6:
    print("Saturday")
elif day_num == 7:
    print("Sunday")

```

```
else:  
    print("Invalid input")
```

Sample Output: (SS)

```
Enter day: 6  
Saturday
```

```
Enter day: 7  
Sunday
```