

Manaois, Ivan Bryan R. C204 Bscs 08-30-2025 7OOP

Task 1

1: Problem 1: Use Escape Sequences

Item Description

Create a program that prints the following text:

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

Sample Output 1

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

Source Code

```
task_1.py
1 print("Database Record")
2 print("XXXXXXXXXXXXXXXXXXXXXXXXXXXX")
3 print("XXXXXXXXXXXXXXXXXXXXXXXXXXXX")
4 print("XXXXXXXXXXXXXXXXXXXXXXXXXXXX")
5 print("Name:\t\tJohn Doe")
6 print("Email:\t\tjohn.doe@example.com")
7 print("University:\tABC University")
8
```

2: Problem 2: Using

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

Sample Output

Placeholders

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: 1.1
Discount: 10.50%
Status: A
Code: ABC123
Location: City BC
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

```
task_2.py
1 name = "John"
2 sender = "Jane"
3 version = "1.1"
4 discount = "10.5"
5 code = "ABC123"
6 location = "City BC"
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 message = ""
14 Dear {name}, I hope this email finds you well.
15 I wanted to reach out and say hello.
16 I hope you are doing well and enjoying your day.
17 It's been a while since we last spoke, and I wanted to catch up with you.
18 Let's plan to meet up soon and have a great time together!
19
20 Subject: Greetings
21 sender: {sender}
22 version: {version}
23 discount: {discount}%
24 code: {code}
25 Location: {location}
26 Age: {age}
27 company: {company}
28 website: {website}
29 Phone: {phone}
30 job_title: {job_title}
31 Department: {department}
32 ""
33
34 print(message)
35
```

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 reach up with you.
Let's plan to meet up soon and have a great time together!

Subject: Greetings
Sender: Jane
Version: 1.0
Created: 10-10
Code: ABC123
Location: City XYZ
Age: 30
Company: ABC Corporation
Website: www.example.com
Phone: 123-456-7890
Job Title: Software Engineer
Department: Engineering

```

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3: Problem 3: Book Reservation

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: 2023-10-26
You have successfully reserved the book "1984" by Orwell.
Year of Publication: 1949
Genre: dystopian
Library: central
Member ID: 12345
Return Date: 2023-10-26

```

Sample Output 2

```

Enter the book title: Harry Potter
Enter the author: J.K. Rowling
Enter the year of publication: 1997
Enter the genre: fiction
Enter the library: Hogwarts
Enter your member ID: 67890
Enter the return date: 2023-09-01
You have successfully reserved the book "Harry Potter" by J.K. Rowling.
Year of Publication: 1997
Genre: Fiction
Library: Hogwarts
Member ID: 67890
Return Date: 2023-09-01

```

Item Description

Write a program that takes an integer (0-7) 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

4: Problem 4: Day Identifier

```

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 the member ID: ")
7 return_date = input("Enter the return date (YYYY-MM-DD): ")
8
9 print(f"You 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}")
15
16
17
18
19

```

```

main.py
1 day = int(input("Enter day: "))
2
3 if day == 1:
4     print("Monday")
5 elif day == 2:
6     print("Tuesday")
7 elif day == 3:
8     print("Wednesday")
9 elif day == 4:
10    print("Thursday")
11 elif day == 5:
12    print("Friday")
13 elif day == 6:
14    print("Saturday")
15 elif day == 7:
16    print("Sunday")
17 else:
18    print("Invalid input")
19
20

```

Source Code

Sample Output

Sample Output

```

Enter day: 1
Monday

```

```

Enter day: 4
Thursday

```

```

Enter day: 5
Friday

```

```

Enter the book title: 1984
Enter the author: Orwell
Enter the year of publication: 1946
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: 1946
Genre: Dystopian
Library: Central
Member ID: 12345
Return Date: 2023-07-10

```