

7OOP

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

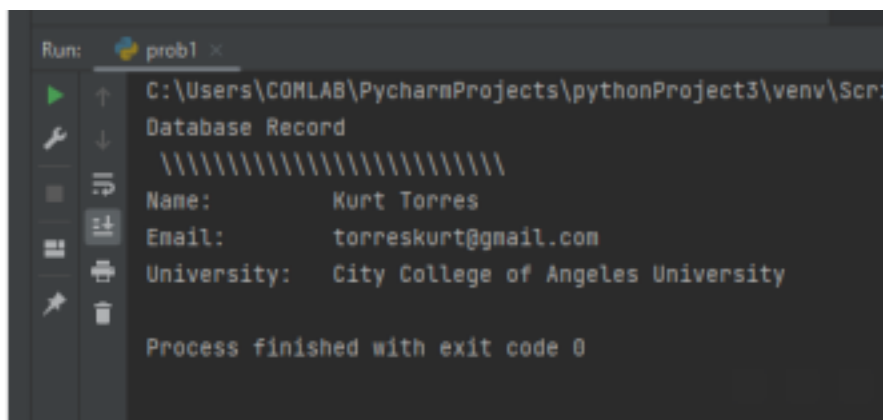
```
Database Record
////////////////////
Name:      John Doe
Email:     john.doe@example.com
University: ABC University
```

Source Code:

```
full_name = "Kurt Torres"
email = "torreskurt@gmail.com"
university = "City College of Angeles University"

print("Database Record")
print("\b //////////////////////")
print("Name: \t ", full_name)
print("Email: \t ", email)
print("University:\t ", university)
```

Sample Output:



```
Run: prob1 x
C:\Users\COMLAB\PycharmProjects\pythonProject3\venv\Scripts\python.exe
Database Record
////////////////////
Name:      Kurt Torres
Email:     torreskurt@gmail.com
University: City College of Angeles University

Process finished with exit code 0
```

Problem# 2: Using Placeholders for Email Details: Use appropriate type specifiers %, %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: 3.0
Discount: 0.7522
Status: A
Code: ABC123
Location: City XYZ
Age: 30
Company: ABC Corporation
Website: www.example.com
Phone: +1 555-456-7890
Job Title: Software Engineer
Department: Engineering
```

The program should use placeholders to present the information accurately.

Source Code:

```
Name = "James"
Subject = "Greetings"
Sender = "Kurt"
Version = 3.0
Discount = 0.7522
Status = "VIP"
Code = 15963
Location = "Angeles City"
Age = 20
Company = "XYZ Foundation"
Website = "www.DitoLaAng.com"
Phone = "+63 962-890-5613"
Job_Title = "Student"
Department = "Computer Science"

print("Dear %s, I hope this email finds you well."% (Name))
print("I wanted to reach out and say hello.")
print("It's been a while since we last spoke, and I wanted to catch up with you.")
print("Let's plan to meet up soon and have a great time together!")
print("Subject: %s"% (Subject))
print("Sender: %s"% (Sender))
print("Version: %.1f"% (Version))
print(f"Discount: {Discount:.2%} ")
print("Status: %s"% (Status))
print("Code: %d"% (Code))
print("Location: %s"% (Location))
print("Age: %d"% (Age))
print("Company: %s"% (Company))
print("Website: %s"% (Website))
print("Phone: %s"% (Phone))
print("Job Title: %s"% (Job_Title))
print("Department: %s"% (Department))
```

Sample Output:

```
C:\Users\COMLAB\PycharmProjects\Lab_Task1\venv\Scripts\python.exe C:\Users\COMLAB\PycharmProjects\Lab_Task1\prob2.py
Dear James, I hope this email finds you well.
I wanted to reach out and say hello.
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: Kurt
Version: 3.0
Discount: 79.22%
Status: VIP
Code: 15963
Location: Angeles City
Age: 20
Company: XYZ Foundation
Website: www.Digitalinn.com
Phone: +63 962-890-5613
Job Title: Student
Department: Computer Science

Process finished with exit code 0
```

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:

```
book_title = input("Enter the book title:")
author = input("Enter the author:")
publication_year = input("Enter the year of publication:")
genre = input("Enter the genre:")
library = input("Enter the library:")
member_ID = input("Enter member ID:")
return_date = input("Enter the return date:")

print(f"You have successfully reserved the book '{book_title}' by {author}")
print(f"Year of Publication: {publication_year}")
print(f"Genre: {genre}")
print(f"Library: {library}")
print(f"Member ID: {member_ID}")
```

```
print(f"Return Date: {return_date}")
```

Sample Output:



```
Run: prob3
C:\Users\COMLAB\PycharmProjects\Lab_Task1\venv\Scripts\python.exe C:\Users\COMLAB\PycharmProjects\Lab_Task1\prob3.py
Enter the book title:move me
Enter the author:james villar
Enter the year of publication:2091
Enter the genre:fantasy
Enter the library:central
Enter member ID:9989
Enter the return date:2105-01-22
You have successfully reserved the book 'move me' by james villar
Year of Publication: 2091
Genre: fantasy
Library: central
Member ID: 9989
Return Date: 2105-01-22

Process finished with exit code 0
|
```

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
```

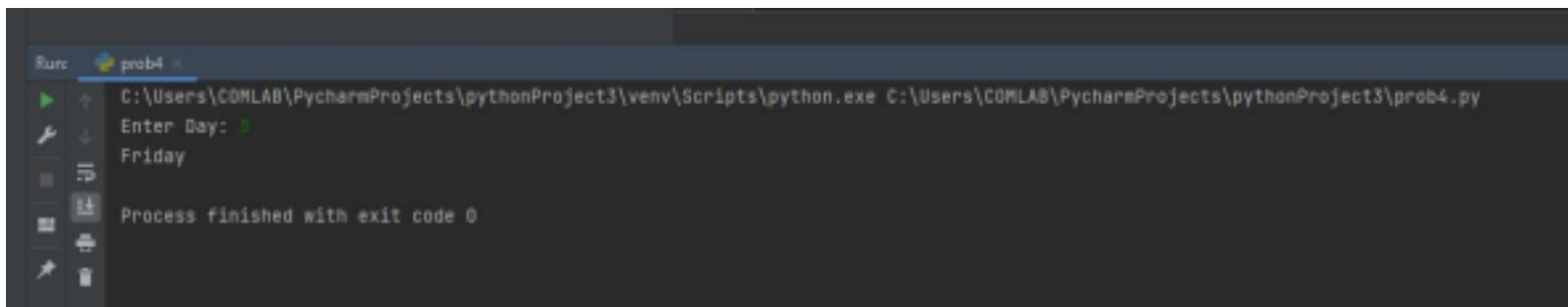
Source code:

```
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")
```

Sample output:



```
Run: prob4
C:\Users\COMLAB\PycharmProjects\pythonProject3\venv\Scripts\python.exe C:\Users\COMLAB\PycharmProjects\pythonProject3\prob4.py
Enter Day: 5
Friday
Process finished with exit code 0
```