Midterm Lab Task Set 1 Python Basic Input-Output/Operators/Escape sequence and Placeholders

Problem 1. Using print statement

```
Write a program that showcases a pattern of the word "CODE" using the letters C, O, D, and E.

Sample Output 1

CCCCC 00000 D0000 EEEEE

C 0 0 D D E

C 0 0 D D E

CCCCC 00000 D0000 EEEEE

C 0 0 D E

CCCCC 00000 D0000 EEEEE
```

Problem 2. Using Escape Sequence. Use only 1 print statement for this output

Problem 3. Input Operations

Item Description

Write a program that prompts the user to enter the recipient, message, name, subject, version, discount, status, code, location, age, company name, website, phone, job title, and department. Display the entered values directly on the console in a specific format simulating an email.

```
Dear [Recipient], I hope this email finds you well.
[Message]
Subject: [Subject]
Sender: [Name]
Version: [Version]
Discount: [Discount]%
Status: [Status]
Code: [Code]
Location: [Location]
Age: [Age]
Company: [Company Name]
Website: [Website]
Phone: [Phone]
Job Title: [Job Title]
Department: [Department]
```

Sample Output 1

```
Enter the recipient: John
Enter the message: Greetings
Enter the name: Emily
Enter the subject: Proposal
Enter the version: 1.2
Enter the discount: 10.5
Enter the status: A
Enter the code: ABC123
Enter the location: Paris
Enter the age: 35
Enter the company name: XYZ
Enter the website: www.xyz.com
Enter the phone: 123-456-7898
Enter the job title: Manager
Enter the department: Sales
Dear John, I hope this email finds you well.
Greetings
Subject: Proposal
Sender: Emily
Version: 1.2
Discount: 18.58%
Status: A
Code: ABC123
Location: Paris
Age: 35
Company: XYZ
Website: www.xyz.com
Phone: 123-456-7898
Job Title: Manager
Department: Sales
```

Problem 4. Using Placeholders with % specifier

```
Write a program that prints the output below:
 Post Scheduled:
 Content: Exciting news! Our new product is launching soon.
 Date: 2023-06-30
 Time: 10:00 AM
 Meach: 2500.50
 Engagement: 0.75
 Duration: 1.50
 Cost: 50.25
 Category: N
 Status: 5
 Author Name: John Doe
 Author Email: johndoe@example.com
 Platform: Facebook
 Audience: Targeted
 Budget: 1000.00
```

The program should display various post information using placeholders.

Sample Output 1

```
Post Scheduled:
Content: Exciting news! Our new product is launching soon.
Date: 2023-06-30
Time: 10:00 AM
Reach: 2500.50
Engagement: 0.75
Duration: 1.50
Cost: 50.25
Category: N
Status: S
Author Name: John Doe
Author Email: johndoe@example.com
Platform: Facebook
Audience: Targeted
Budget: 1000.00
```

Problem 5. Type Casting



-end-

Source Code

Screen Shot of Test Cases or Sample Outputs

1.

print(" CCCC OOOOO DDDDD EEEEE ")
print(" C O O D D E ")
print(" C O O D D EEE ")
print(" C O O D D E ")
print(" CCCC OOOOO DDDDD EEEEE ")



2.



3.

recipient = input("Enter recipient: ")
message = input("Enter message: ")
name = input("Enter sender's name: ")
subject = input("Enter subject: ")
version = input("Enter version: ")
discount = input("Enter discount: ")
status = input("Enter status: ")
code = input("Enter code: ")
location = input("Enter location: ")
age = input("Enter age: ")

```
company_name = input("Enter company name: ")
website = input("Enter website: ")
phone = input("Enter phone: ")
job_title = input("Enter job title: ")
department = input("Enter department: ")
print(f"""
Dear {recipient}, I hope this email finds you well.
{message}
Subject: {subject}
Sender: {name}
Version: {version}
Discount: {discount}
Status: {status}
Code: {code}
Location: {location}
Age: {age}
Company: {company_name}
Website: {website}
Phone: {phone}
Job Title: {job_title}
Department: {department}
```

```
Training to the processor accessor. 19

I managed - appoint the measure. 19

I manage
```

4.

```
date = "2023-06-30"

time = "10:00 AM"

reach = 2500.50

engagement = 0.75

duration = 1.50

cost = 50.25

category = "N"

status = "S"

author_name = "John Doe"

author_email = "john.doe@example.com"

platform = "Facebook"

audience = "Targeted"

budget = 1000.00

print("Post Scheduled:\n")

print("Content: %s" % "Exciting news! Our new product is launching soon.")
```

```
print("Date: %s" % date)
print("Time: %s" % time)

print("Reach: %.2f" % reach)

print("Engagement: %.2f" % engagement)

print("Duration: %.2f" % duration)

print("Cost: %.2f" % cost)

print("Category: %s" % category)

print("Status: %s" % status)

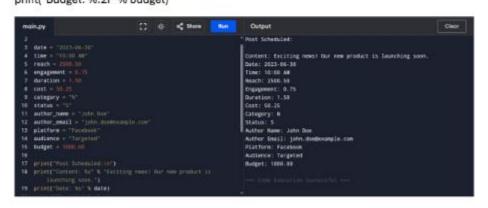
print("Author Name: %s" % author_name)

print("Author Email: %s" % author_email)

print("Platform: %s" % platform)

print("Audience: %s" % audience)

print("Budget: %.2f" % budget)
```



5.
integer_num = int(input("Enter an integer: "))
float_num = float(input("Enter a float: "))

difference = float(integer_num) - float_num

print("The difference is: %.2f" % difference)