Name: Mark Angelo Serrano Course & Section: BSCS – C203

700P1

8/27/2025

Midterm Lab Task Set 1

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 00000 EEEEE

C 0 0 D D E

C 0 0 D D E

CCCCC 00000 00000 EEEEE

C 0 0 D D E

CCCCC 00000 00000 EEEEE
```

```
print("CCCCC
                                 EEEEEE\n"
                                 E\n"
                                 EEE\n"
                                 E\n"
                         DDDD
                                 EEEEEE")
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C:\Users\ADMIN\PycharmProjects\PythonProject1\.venv\
CCCCC
        00000
                 DDDD
                          EEEEEE
С
        0 0
                         Ε
        O O D D EEE
                        Е
                 DDDD
CCCCC
        00000
                         EEEEEE
```

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

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Problem 3. Input Operations

```
Trans 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
   Dear [Recipient], I hope this small finds you well.
   [Hessage]
   Subject: [Subject]
   Sender: [Name]
   Version: [Version]
   Discount: [Discount]X
   Status) [Status]
   Code: [Code]
   Location: [Location]
   Age: [Age]
   Company: [Company Name]
Hebsite: [hebsite]
   Phone: [Phone]
    Not Title: [Not Title]
   Department: [Department]
```

```
ambbe Curriet 1
Entar the recipient: Joh
Exter the message: Greetings
Enter the name: Emily
Enter the subject: Proposal
Enter the version: 1.2
Enter the discount: 18.5
Enter the status: A
Enter the code: ABC129
Enter the location: Paris
Enter the age: 35
Enter the company name: XYZ
Enter the website; www.syz.com
Enter the phone: 133-456-7990
Enter the 500 title: Manager
Enter the department: Sales
Dear John, I hope this enail finds you well.
Greetings
Subject: Proposal
Sender: Ently
Version: 1.2
Discount: 19.565
Status: A
Code: ABC123
Location: Paris
4gs: 35
Company: XYI
Website: www.syr.com
Phone: 123-856-7000
Job fitle: Manager
Department: Sales
```

```
Reader Mode C
                                                                      C:\Users\ADMIN\PycharmProjects\PythonProject1\.venv\Sc
subject = input("Enter the subject: ")
                                                                      Enter the message: greetings
                                                                      Enter the name: emily
discount = float(input(*Enter the discount: *))
                                                                      Enter the subject: proposal
status - input("Enter the status: ")
location = input("Enter the location: ")
age = int(input("Enter the age: "))
                                                                      Enter the code: anci23
companyName = input("Enter the company name: ")
                                                                      Enter the location: puris
                                                                      Enter the age: 35
phone = input("Enter the phone: ")
                                                                      Enter the company name: xuz
                                                                       Enter the website: www.www.com
                                                                       Enter the phone: 123-456-7890
                                                                       Enter the job title: manager
     f"Message: {nessage}\n"
                                                                       Enter the department: sales
                                                                       Hessage: greetings
      f"version: [version]\n'
                                                                       Subject: proposal
      f'Code: [code] n'
                                                                       Status: a
      f"Aue: (age}\n"
                                                                       Code: abc123
      f*Company Name: (companyName)\n*
                                                                       Location: paris
      f"Website: {website}\n"
                                                                       Age: 35
                                                                       Company Name: xyz
      f*Department: {department}\n*)
                                                                       Phone: 123-456-7898
                                                                       Job Title: manager
```

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Problem 4. Using Placeholders with % specifier

Write a program that prints the output below: Sample Output 1 Post Scheduled: Content: Exciting news! Our new product is launching soon. Content: Exciting news! Our new product is launching soon. Date: 2023-06-30 Date: 2023-06-30 Time: 10:00 AM Time: 10:00 AM Reach: 2500.50 Reach: 2500.50 Engagement: 0.75 Engagement: 0.75 Duration: 1.50 Duration: 1.50 Cost: 50.25 Cost: 50.25 Category: N Category: N Status: 5 Status: S Author Name: John Doe Author Name: John Doe Author Email: johndoe@example.com Author Email: johndoe@example.com Platform: Facebook Platform: Facebook Audience: Targeted Audience: Targeted Budget: 1000.00 Budget: 1000.00 The program should display various post information using placeholders.

tootent = "Exciting news) for new prosect is lawnooing about size = 1003-04-30" else = 100.00 AM resun + 2000 for empapement + 2.07 3 Fine: 10:00 An cost = 50.00 category = 'A' B Engagement: 0.75 Duration: 1.50 Platform: Facebook

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Problem 5. Type Casting

```
Write a program that takes two numbers (one integer and one float) and take their difference after converting the integer to a float. Finally, print the result in format "The difference is: {result}".

Sample Output 1

Enter an integer: 5
Enter a float: 3.14
The difference is: 1.86

Sample Output 2

Enter an integer: 90
Enter a float: 5.2321
The difference is: 84.77
```

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```
integer = int(input("Enter an integer: "))

floating = float(input("Enter a float: "))

result=integer-floating

print(f"The difference is: {result:,.2f}")

C:\Users\ADMIN\PycharmProjects\Pyth

Enter an integer: 90

Enter a float: 5.2321

The difference is: 84.77
```