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C203

Code:

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# Problem 1: Using print statement

print("\nProblem 1")
print("CCCCC  00000  DDDDD  EEEEE")
print("C      0    0  D    D  E")
print("C      0    0  D    D  EEE")
print("C      0    0  D    D  E")
print("CCCCC  00000  DDDDD  EEEEE")

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

print("\nProblem 2")
print("Database
Record\n////////////////////////////////////
\nName:\t\tJohn Doe\nEmail:\t\tjohn.doe@example.com\nUniversity: ABC
University")

# Problem 3: Input Operations

print("\nProblem 3")
recipient = input("Enter the recipient: ")
message = input("Enter the message: ")
name = input("Enter the name: ")
subject = input("Enter the subject: ")
version = input("Enter the version: ")
discount = input("Enter the discount: ")
status = input("Enter the status: ")
code = input("Enter the code: ")
location = input("Enter the location: ")
age = input("Enter the age: ")
company_name = input("Enter the Company Name: ")
website = input("Enter the website: ")
phone = input("Enter the phone: ")
job_title = input("Enter the job title: ")
department = input("Enter the department: ")
print(f"Dear {recipient}, I hope this email finds you well.")
print(message)
print(f"Subject: {subject}")
print(f"Sender: {name}")
print(f"Version: {version}")
print(f"Discount: {discount}")
print(f>Status: {status}")
print(f"Code: {code}")
print(f"Location: {location}")
```

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print(f"Age: {age}")
print(f"Company: {company_name}")
print(f"Website: {website}")
print(f"Phone: {phone}")
print(f"Job Title: {job_title}")
print(f"Department: {department}")

# Problem 4: Using Placeholders with % specifier

print("Problem 4")
print("Post Scheduled:")
print("Content: %s" % "Exciting news! our new product is launching soon")
print("Date: %s" % "2023-06-30")
print("Time: %s" % "10:00 AM")
print("Reach: %.2f" % 2500.50)
print("Engagement: %.2f" % 0.75)
print("Duration: %.2f" % 1.50)
print("Cost: %.2f" % 50.25)
print("Category: %c" % 'N')
print("Status: %c" % 'S')
print("Author name: %s" % "John Doe")
print("Author email: %s" % "johndoe@example.com")
print("Platform: %s" % "Facebook")
print("Audience: %s" % "Targeted")
print("Budget: %.2f" % 1000.00)

# Problem 5: Type Casting

print("Problem 5")
num1 = int(input("Enter an integer: "))
num2 = float(input("Enter a float: "))
difference = num1 - num2
print(f"The difference is: {difference:.2f}")
```