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

Problem 1. Using print statement

```python
print("CCCCC  00000  DDDDD    EEEEE")
print("C        0   0  D       D E      ")
print("C        0   0  D       D EEEEE")
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

```python
print("Database Record\n"
      "\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\"
      "\nName:\t\tJohn Doe"
      "\nEmail:\t\tjohn.doe@example.com"
      "\nUniversity:\tABC University")
```

Problem 3. Input Operations

```python
recipient = input("Enter recipient: ")
message = input("Enter message: ")
subject = input("Enter subject: ")
sender = input("Enter name: ")
version = float(input("Enter version: "))
discount = float(input("Enter discount: "))
status_code = input("Enter status code: ")
code = input("Enter code: ")
location = input("Enter location: ")
age = int(input("Enter age: "))
company = input("Enter company: ")
website = input("Enter website: ")
phone_number = input("Enter phone number: ")
job_title = input("Enter job title: ")
department = input("Enter department: ")

print(f"dear {recipient}, I hope this email finds you well.")
print(message)
print(f"subject: {subject}")
print(f"sender: {sender}")
print(f"version: {version}")
print(f"discount: {discount}%")
print(f"status_code: {status_code}")
print(f"code: {code}.2%")
print(f"location: {location}")
print(f"age: {age}")
print(f"company: {company}")
print(f"website: {website}")
print(f"phone_number: {phone_number}")
print(f"job_title: {job_title}")
print(f"department: {department}")
```

Problem 4. Using Placeholders with % specifier

```python
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

print("Post Scheduled:")
print("Content: %s" % content)
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)
```

Problem 5. Type Casting

```python
num1 = int(input("Enter integers: "))
num2 = float(input("Enter float: "))
diff = num1 - num2
print(f"The difference is: {diff:.2f}")
```

-end-