BUMANGLAG, ANGELINE D.   **BSCS – C203**
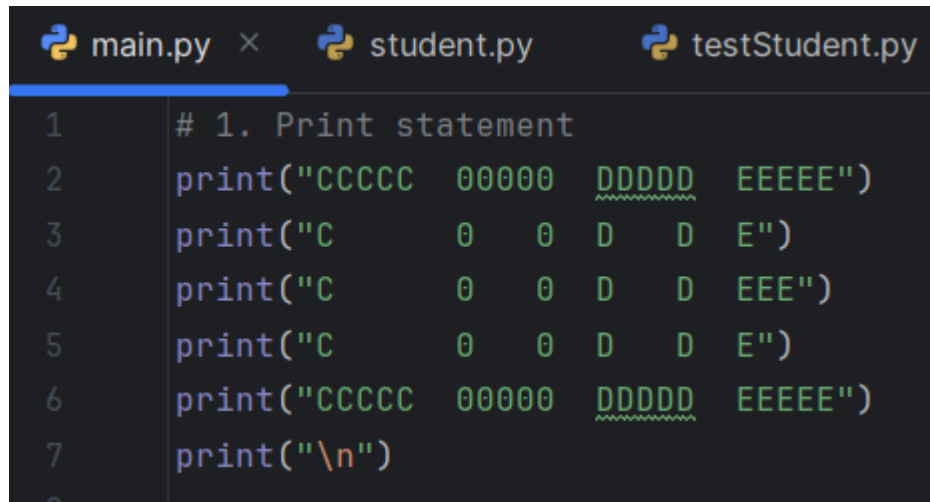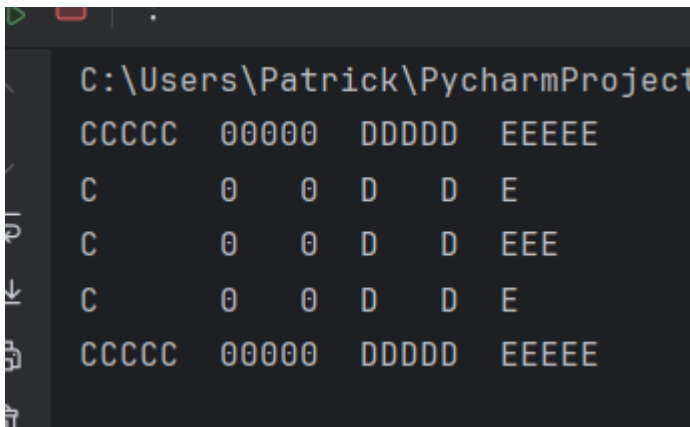
MIDTERM LAB TASK # 1
Python Basic Input-Output/Operators/Escape sequence and Placeholders

SOURCE CODE:
#1. Print statement
```python
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")
print("\n")
```

```
# 1. Print statement
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")
print("\n")
```

OUTPUT

```
C:\Users\Patrick\PycharmProject
CCCCC  00000  DDDDD  EEEEE
C       0   0  D   D  E
C       0   0  D   D  EEE
C       0   0  D   D  E
CCCCC  00000  DDDDD  EEEEE
```

#2. Escape sequence
```python
print("Database Record\n"
      "//////////////////////////////\n"
      "Name:\t\tJohn Doe\n"
      "Email:\t\tjohn.doe@example.com\n"
      "University:\tABC University")
print("\n")
```

```
 9        # 2. Escape sequence
10        print("Database Record\n"
11               "/////////////////////////////////\n"
12               "Name:\t\tJohn Doe\n"
13               "Email:\t\tjohn.doe@example.com\n"
14               "University:\tABC University")
15        print("\n")
16
```

OUTPUT

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

#3. Input operation
```
recipient = input("Enter recipient: ")
message = input("Enter message: ")
name = input("Enter sender 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 = input("Enter company name: ")
website = input("Enter website: ")
phone = input("Enter phone number: ")
job_title = input("Enter job title: ")
department = input("Enter department: ")

print(f"\nDear {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}")
```

```python
print(f"Code: {code}")
print(f"Location: {location}")
print(f"Age: {age}")
print(f"Company: {company}")
print(f"Website: {website}")
print(f"Phone: {phone}")
print(f"Job Title: {job_title}")
print(f"Department: {department}")
print("\n")
```

```python
17      # 3. Input operation
18      recipient = input("Enter recipient: ")
19      message = input("Enter message: ")
20      name = input("Enter sender name: ")
21      subject = input("Enter subject: ")
22      version = input("Enter version: ")
23      discount = input("Enter discount: ")
24      status = input("Enter status: ")
25      code = input("Enter code: ")
26      location = input("Enter location: ")
27      age = input("Enter age: ")
28      company = input("Enter company name: ")
29      website = input("Enter website: ")
30      phone = input("Enter phone number: ")
31      job_title = input("Enter job title: ")
32      department = input("Enter department: ")
```

```python
33
34      print(f"\nDear {recipient}, I hope this email finds you well.")
35      print(message)
36      print(f"Subject: {subject}")
37      print(f"Sender: {name}")
38      print(f"Version: {version}")
39      print(f"Discount: {discount}%")
40      print(f"Status: {status}")
41      print(f"Code: {code}")
42      print(f"Location: {location}")
43      print(f"Age: {age}")
44      print(f"Company: {company}")
45      print(f"Website: {website}")
46      print(f"Phone: {phone}")
47      print(f"Job Title: {job_title}")
48      print(f"Department: {department}")
49      print("\n")
```

OUTPUT

```
Enter recipient: John
Enter message: Greetings
Enter sender name: Emily
Enter subject: Proposal
Enter version: 1.2
Enter discount: 10.5
Enter status: A
Enter code: ABC123
Enter location: Paris
Enter age: 35
Enter company name: XYZ
Enter website: www.xyz.com
Enter phone number: 123-456-7890
Enter job title: Manager
Enter department: Sales
```

```
Dear John, I hope this email finds you well.
Greetings
Subject: Proposal
Sender: Emily
Version: 1.2
Discount: 10.5%
Status: A
Code: ABC123
Location: Paris
Age: 35
Company: XYZ
Website: www.xyz.com
Phone: 123-456-7890
Job Title: Manager
Department: Sales
```

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)
print("\n")
```

```python
# 4. Using Placeholders with % specifier
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
```

```
66
67      print("Post Scheduled:")
68      print("Content: %s" % content)
69      print("Date: %s" % date)
70      print("Time: %s" % time)
71      print("Reach: %.2f" % reach)
72      print("Engagement: %.2f" % engagement)
73      print("Duration: %.2f" % duration)
74      print("Cost: %.2f" % cost)
75      print("Category: %s" % category)
76      print("Status: %s" % status)
77      print("Author Name: %s" % author_name)
78      print("Author Email: %s" % author_email)
79      print("Platform: %s" % platform)
80      print("Audience: %s" % audience)
81      print("Budget: %.2f" % budget)
82      print("\n")
83
```

OUTPUT

```
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
```

5. Type Casting
```python
one_int = int(input("Enter an integer: "))
one_float = float(input("Enter a float: "))
dif = one_int - one_float
print(f"The difference is: {dif:.2f}")
```

```python
83
84      # 5. Type Casting
85      one_int = int(input("Enter an integer: "))
86      one_float = float(input("Enter a float: "))
87      dif = one_int - one_float
88      print(f"The difference is: {dif:.2f}")
89
```

OUTPUT

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