#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")
```

#2. Escape sequence

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

#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"Dear {recipient}, I hope this email finds you well.")
```

```python
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}")

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")


# Problem 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"
```

```python
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")


# Problem 5. Type Casting
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}")
```