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'''1. Create a BankAccount class that handles common operations
like depositing money,
withdrawing money, and checking the balance.
For each bank account, variables to be maintained are:
1. Account Holder's Name
2. Account Number
3. Balance
The class will allow the following actions(methods):
1. Deposit Money – pass parameter “amount” to call deposit
method
2. Withdraw Money - pass parameter “amount” to call withdraw
method
3. Check Balance
Note : Use parameterised constructor'''
class BankAccount:
    def __init__(self, account_holder, account_number, balance=0):
        self.account_holder = account_holder
        self.account_number = account_number
        self.balance = balance
    def deposit(self, amount):
        if amount > 0:
            self.balance += amount
            print(f"Deposited: {amount}. New balance:
{self.balance}")
        else:
            print("Deposit amount must be positive.")
    def withdraw(self, amount):
        if amount > 0:
            if amount <= self.balance:
                self.balance -= amount
                print(f"Withdrew: {amount}. New balance:
{self.balance}")
            else:
                print("Insufficient balance.")
        else:
            print("Withdrawal amount must be positive.")
    def check_balance(self):
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        print(f"Current balance: {self.balance}")
        return self.balance
if __name__ == "__main__":
    account = BankAccount("KRISH", "27082023", 5000000)
    account.check_balance()
    account.deposit(101106)
    account.withdraw(21005)
    account.check_balance()
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'''2. Scenario: Cosmetic Product Information
• Create a class named Cosmetics
• Track a cosmetic product's name, brand, price, and category.
• Use a default constructor to initialize these attributes with default
values.
• Display all the information. (Action –method)'''
class Cosmetics:
    def __init__(self):
        self.name = "hair care kit"
        self.brand = "kosmoderma"
        self.price = 5000
        self.category = "hair"
    def display_info(self):
        print("Cosmetic Product Information:")
        print(f"Name: {self.name}")
        print(f"Brand: {self.brand}")
        print(f"Price: ${self.price:.2f}")
        print(f"Category: {self.category}")
if __name__ == "__main__":
    default_product = Cosmetics()
    default_product.display_info()
```