

PROBLEMS

OUTPUT

DEBUG CONSOLE

TERMINAL

PORTS

1. Insert money
2. Select beverage
3. Return money
4. Exit (for demonstration purposes)

Enter your choice (1-4): 1

Enter amount to insert: \$4

Added \$4.00. Total: \$4.00

Press Enter to continue...2

Available Beverages:

A1: Cola (\$1.50) - 5 available

A2: Diet Cola (\$1.50) - 5 available

B1: Lemonade (\$1.75) - 5 available

B2: Iced Tea (\$1.25) - 5 available

C1: Bottled Water (\$1.00) - 5 available

```

1 class Beverage:
2     def __init__(self, name, price, quantity):
3         self.name = name
4         self.price = price
5         self.quantity = quantity
6
7     def dispense(self):
8         if self.quantity > 0:
9             self.quantity -= 1
10            return True
11        return False
12
13    def is_available(self):
14        return self.quantity > 0
15
16    def __str__(self):
17        return f"({self.name}) (${self.price:.2f}) - {self.quantity} available"
18
19 class VendingMachine:
20     def __init__(self):
21         # Initialize with 6 different beverages
22         self.beverages = {
23             'A1': Beverage("Cola", 1.50, 5),
24             'A2': Beverage("Diet Cola", 1.50, 5),
25             'B1': Beverage("Lemonade", 1.75, 5),
26             'B2': Beverage("Iced Tea", 1.25, 5),
27             'C1': Beverage("Bottled Water", 1.00, 5),
28             'C2': Beverage("Sports Drink", 2.00, 5)
29         }
30         self.money_inserted = 0.0
31

```

[illegible]

Python + v

Available Beverages:

- A1: Cola (\$1.50) - 5 available
- A2: Diet Cola (\$1.50) - 5 available
- B1: Lemonade (\$1.75) - 5 available
- B2: Iced Tea (\$1.25) - 5 available
- C1: Bottled Water (\$1.00) - 5 available
- C2: Sports Drink (\$2.00) - 5 available

Options:
1. Insert money
2. Select beverage