

```
C:\Users\mkara\PycharmProjects\Vending_Machine\.venv\Scripts\python.exe "C:/Users/mkara/PycharmProjects/Vending_Machine/Vending_Machine.py"
1. Coke - $2.85 (10 left)
2. Orange Fanta - $2.85 (10 left)
3. Sprite - $2.85 (10 left)
4. Apple Juice - $3.15 (10 left)
5. Lemonade - $2.85 (10 left)
6. Water - $2.65 (10 left)

Select a beverage (1-6): 2

Orange Fanta costs $2.85.
Insert money ($2.85 remaining): $0
Please insert a valid amount of money.
Total inserted: $0.0
Insert money ($2.85 remaining): $
```

```
Select a beverage (1-6): 2

Orange Fanta costs $2.85.
Insert money ($2.85 remaining): $0
Please insert a valid amount of money.
Total inserted: $0.0
Insert money ($2.85 remaining): $2.85
Total inserted: $2.85
Dispensing Orange Fanta. Thank you and enjoy!

1. Coke - $2.85 (10 left)
2. Orange Fanta - $2.85 (9 left)
3. Sprite - $2.85 (10 left)
4. Apple Juice - $3.15 (10 left)
5. Lemonade - $2.85 (10 left)
6. Water - $2.65 (10 left)

Select a beverage (1-6): |
```

A screenshot of a code editor interface. The top bar shows the project name "Vending_Machine" and various tool icons. The left sidebar has a file tree with "Vending Machine.py" selected. The main area displays the Python code for a vending machine. The code defines a class `VendingMachine` with a `run` method. Inside the `run` method, it prompts for money insertion, selects a beverage, and processes payment. A list of available beverages is shown, each with a quantity of 10. The user selects item 4 (Apple Juice). The terminal output shows the interaction:

```
Insert money ($2.85 remaining): $0
Please insert a valid amount of money.
Total inserted: $0.0
Insert money ($2.85 remaining): $2.85
Total inserted: $2.85
Dispensing Orange Fanta. Thank you and enjoy!

1. Coke - $2.85 (10 left)
2. Orange Fanta - $2.85 (9 left)
3. Sprite - $2.85 (10 left)
4. Apple Juice - $3.15 (10 left)
5. Lemonade - $2.85 (10 left)
6. Water - $2.65 (10 left)

Select a beverage (1-6): 4.3
Invalid choice. Try again.

Select a beverage (1-6):
```

A second screenshot of the same code editor. The terminal output shows a different interaction where the user enters an invalid choice (7) after selecting item 4:

```
Insert money ($2.85 remaining): $2.85
Total inserted: $2.85
Dispensing Orange Fanta. Thank you and enjoy!

1. Coke - $2.85 (10 left)
2. Orange Fanta - $2.85 (9 left)
3. Sprite - $2.85 (10 left)
4. Apple Juice - $3.15 (10 left)
5. Lemonade - $2.85 (10 left)
6. Water - $2.65 (10 left)

Select a beverage (1-6): 4.3
Invalid choice. Try again.

Select a beverage (1-6): 7
Please select an item from the machine.

Select a beverage (1-6):
```

The screenshot shows a code editor interface with a dark theme. At the top, there's a navigation bar with icons for file operations, a 'Current File' dropdown, and other application-specific tools. Below the bar, the main area has two tabs: 'Vending Machine.py' and 'Run'. The 'Vending Machine.py' tab displays the following Python code:

```
12     class VendingMachine: 1 usage
88         def run(self): 1 usage
92             beverage = self.select_beverage()
93             self.process_payment(beverage)
94
95     # Run the program
```

The 'Run' tab shows the output of the program execution:

```
2. Orange Fanta - $2.85 (9 left)
3. Sprite - $2.85 (10 left)
4. Apple Juice - $3.15 (10 left)
5. Lemonade - $2.85 (10 left)
6. Water - $2.65 (10 left)

Select a beverage (1-6): 4.3
Invalid choice. Try again.

Select a beverage (1-6): 7
Please select an item from the machine.

Select a beverage (1-6): 4

Apple Juice costs $3.15.
Insert money ($3.15 remaining): $-3.15
Invalid amount. Please insert cash or card.
Insert money ($3.15 remaining): $
```

This screenshot continues the execution of the same Python program. The 'Run' tab now shows the following output:

```
Invalid choice. Try again.

Select a beverage (1-6): 5

Lemonade costs $2.85.
Insert money ($2.85 remaining): $5
Total inserted: $3.0
Returning change: $0.15
Dispensing Lemonade. Thank you and enjoy!

1. Coke - $2.85 (10 left)
2. Orange Fanta - $2.85 (9 left)
3. Sprite - $2.85 (10 left)
4. Apple Juice - $3.15 (9 left)
5. Lemonade - $2.85 (9 left)
6. Water - $2.65 (10 left)

Select a beverage (1-6): |
```