

### Problem 1 sample:

```
"C:\Program Files\Java\jdk-17\bin\java.exe" "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2023.1.2\lib\ide
Enter first number: 22
Enter second number: 33
Choose an operation: +, -, *, /, %, &, |, ^, ?
*
Result: 55

Process finished with exit code 0
```

### Problem 2 sample:

```
"C:\Program Files\Java\jdk-17\bin\java.exe" "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2023.1.2\lib\ide
Enter the number of days: 5
Enter stock prices for 5 days:
24.31 10.25 3.30 28.22
Highest stock price: 30.0 on day 4
Lowest stock price: 10.0 on day 2
Average stock price: 23.57
Best day to buy: Day 2 (Price: 10.0)
Best day to sell: Day 4 (Price: 30.0)
Maximum profit: 20.0
Stock prices are NOT in increasing order.

Process finished with exit code 0
```

### Problem 3 sample:

```
"C:\Program Files\Java\jdk-17\bin\java.exe" "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2023.1.2\lib\ide
Enter your password: 443el68b
Password Length: (Valid)
UpperCase Letter: (Valid)
LowerCase Letter: (Valid)
Digit: (Valid)
Special Character: (Valid)
Password Strength: STRONG

Process finished with exit code 0
```

### Problem 4 sample:

```
"C:\Program Files\Java\jdk-17\bin\java.exe" "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2023.1.2\lib\ide
Enter a phrase: National Aeronautics and Space Administration
NASA

Process finished with exit code 0
```