

Main.java



Run

Output

Clear

```
1 import java.util.*;
2
3 class StudentGradeTracker {
4     public static void main(String[] args) {
5         Scanner sc = new Scanner(System.in);
6
7         System.out.print("Enter number of students:
8         ");
9         int n = sc.nextInt();
10        sc.nextLine();
11
12        String[] names = new String[n];
13        double[] grades = new double[n];
14
15        for (int i = 0; i < n; i++) {
16            System.out.print("Enter name of student
17            " + (i + 1) + ": ");
18            names[i] = sc.nextLine();
19            System.out.print("Enter grade of " +
20            names[i] + ": ");
21            grades[i] = sc.nextDouble();
22            sc.nextLine();
23        }
24
25        double total = 0, highest = grades[0],
26        lowest = grades[0];
27        for (double grade : grades) {
28            total += grade;
29            if (grade > highest) highest = grade;
30            if (grade < lowest) lowest = grade;
31        }
32        double average = total / n;
33
34        System.out.println("\n--- Student Grade
35        Summary ---");
36        for (int i = 0; i < n; i++) {
37            System.out.println(names[i] + " - " +
38            grades[i]);
39        }
40        System.out.println("Average Grade: " +
41        average);
42        System.out.println("Highest Grade: " +
43        highest);
44        System.out.println("Lowest Grade: " +
45        lowest);
46    }
47 }
```

```
Enter number of students: 3
Enter name of student 1: shaik
Enter grade of shaik: 50
Enter name of student 2: Abeed
Enter grade of Abeed: 60
Enter name of student 3: Ali
Enter grade of Ali: 90

--- Student Grade Summary ---
shaik - 50.0
Abeed - 60.0
Ali - 90.0
Average Grade: 66.66666666666667
Highest Grade: 90.0
Lowest Grade: 50.0
```

```
=== Code Execution Successful ===
```

StockTradingPlatform.j...



Run

Output

Clear

```
1- import java.util.*;
2- class StockTradingPlatform {
3-     public static void main(String[] args) {
4-         Scanner sc = new Scanner(System.in);
5-         double balance = 10000;
6-         Map<String, Integer> portfolio = new
            HashMap<>();
7-         Map<String, Double> market = Map.of("AAPL",
            150.0, "GOOGL", 2800.0, "MSFT", 300.0);
8-         while (true) {
9-             System.out.println("1.View Market 2.Buy
                3.Sell 4.View Portfolio 5.Exit");
10-             int c = sc.nextInt();
11-             if (c==1) market.forEach((s,p)->System
                .out.println(s+": "+p));
12-             else if (c==2) {String s=sc.next();int
                q=sc.nextInt();double p=market
                .getOrDefault(s,0.0);if(p
                >0&&balance>=p*q){balance-=p*q
                ;portfolio.put(s,portfolio
                .getOrDefault(s,0)+q);}}
13-             else if (c==3) {String s=sc.next();int
                q=sc.nextInt();double p=market
                .getOrDefault(s,0.0);int h
                =portfolio.getOrDefault(s,0);if(p
                >0&&h>=q){balance+=p*q;portfolio
                .put(s,h-q);}}
14-             else if (c==4) {System.out.println("Bal
                : "+balance);portfolio.forEach((s,q
                )->System.out.println(s+": "+q));}
15-             else if (c==5) break;
16-         }
17-     }
18- }
19- }
```

```
1.View Market 2.Buy 3.Sell 4.View Portfolio 5.Exit
1
GOOGL:2800.0
AAPL:150.0
MSFT:300.0
1.View Market 2.Buy 3.Sell 4.View Portfolio 5.Exit
2 AAPL 5
1.View Market 2.Buy 3.Sell 4.View Portfolio 5.Exit
4
Bal:9250.0
AAPL:5
1.View Market 2.Buy 3.Sell 4.View Portfolio 5.Exit
5
```

=== Code Execution Successful ===