

**Output 1:**

```

  Run
1m on 13:24:22, 01/24 ✓

Enter the number of countries: 2
Enter the number of years: 2
Enter the name of country 1: A

Country A
-----
Enter the begining GDP value: 12000000
Enter the end of year 1 GDP value: 12600000
Enter the end of year 2 GDP value: 12900000

Enter the name of country 2: B

Country B
-----
Enter the begining GDP value: 20000000
Enter the end of year 1 GDP value: 25000000
Enter the end of year 2 GDP value: 35000000

Country A
-----
Year|      GDP Value      |      Growth Rate      |      Ranking
-----
1  |  $12,600,000.00  |      5.00%      |      Good
2  |  $12,900,000.00  |      2.38%      |      Good
Average Annual Growth Rate: 3.69%
Compound Annual Growth Rate: 3.68%
Standard Deviation: 1.852

Country B
-----
Year|      GDP Value      |      Growth Rate      |      Ranking
-----
1  |  $25,000,000.00  |      25.00%      |      Good
2  |  $35,000,000.00  |      40.00%      |      Exceptional
Average Annual Growth Rate: 32.50%
Compound Annual Growth Rate: 32.29%
Standard Deviation: 10.607

The Country A's economy is most stable.
```

**Output 2:**

Enter the number of countries: 3  
 Enter the number of years: 3  
 Enter the name of country 1: X

Country X

-----  
 Enter the begining GDP value: 1600000000  
 Enter the end of year 1 GDP value: 1700000000  
 Enter the end of year 2 GDP value: 1897000000  
 Enter the end of year 3 GDP value: 1910000000

Enter the name of country 2: Y

Country Y

-----  
 Enter the begining GDP value: 5678000000  
 Enter the end of year 1 GDP value: 5678000000  
 Enter the end of year 2 GDP value: 7321000000  
 Enter the end of year 3 GDP value: 890101100

Enter the name of country 3: Z

Country Z

-----  
 Enter the begining GDP value: 4100000000  
 Enter the end of year 1 GDP value: 4522000000  
 Enter the end of year 2 GDP value: 763020290  
 Enter the end of year 3 GDP value: 987376183

#### Country X

Year	GDP Value	Growth Rate	Ranking
1	\$170,000,000.00	6.25%	Good
2	\$189,700,000.00	11.59%	Good
3	\$191,000,000.00	0.69%	Good

Average Annual Growth Rate: 6.17%  
 Compound Annual Growth Rate: 6.08%  
 Standard Deviation: 5.452

#### Country Y

Year	GDP Value	Growth Rate	Ranking
1	\$567,800,000.00	0.00%	Poor
2	\$732,100,000.00	28.94%	Exceptional
3	\$890,101,100.00	21.58%	Good

Average Annual Growth Rate: 16.84%  
 Compound Annual Growth Rate: 16.17%  
 Standard Deviation: 15.04

#### Country Z

Year	GDP Value	Growth Rate	Ranking
1	\$452,200,000.00	10.29%	Good
2	\$763,020,290.00	68.74%	Exceptional
3	\$987,376,183.00	29.40%	Exceptional

Average Annual Growth Rate: 36.14%  
 Compound Annual Growth Rate: 34.04%  
 Standard Deviation: 29.799

The Country X's economy is most stable.



### Output 3:

Run

5m on 13:38:22, 01/24 ✓

Enter the number of countries: 4  
Enter the number of years: 3  
Enter the name of country 1: A

Country A

-----  
Enter the begining GDP value: 12345678  
Enter the end of year 1 GDP value: 130000000  
Enter the end of year 2 GDP value: 142000000  
Enter the end of year 3 GDP value: 142000000

Enter the name of country 2: B

Country B

-----  
Enter the begining GDP value: 32165498  
Enter the end of year 1 GDP value: 34852000  
Enter the end of year 2 GDP value: 34860000  
Enter the end of year 3 GDP value: 40000000

Enter the name of country 3: C

Country C

-----  
Enter the begining GDP value: 555000000  
Enter the end of year 1 GDP value: 556000000  
Enter the end of year 2 GDP value: 560000000  
Enter the end of year 3 GDP value: 560055000

Enter the name of country 4: D

Country D

-----  
Enter the begining GDP value: 74125896  
Enter the end of year 1 GDP value: 74568900  
Enter the end of year 2 GDP value: 75000000  
Enter the end of year 3 GDP value: 75005586

Country A

Year	GDP Value	Growth Rate	Ranking
1	\$13,000,000.00	5.30%	Good
2	\$14,200,000.00	9.23%	Good
3	\$14,200,000.00	0.00%	Poor

Average Annual Growth Rate: 4.84%

Compound Annual Growth Rate: 4.78%

Standard Deviation: 4.632

## Country B

Year	GDP Value	Growth Rate	Ranking
1	\$34,852,000.00	8.35%	Good
2	\$34,860,000.00	0.02%	Good
3	\$40,000,000.00	14.74%	Good

Average Annual Growth Rate: 7.71%

Compound Annual Growth Rate: 7.54%

Standard Deviation: 7.382

## Country C

Year	GDP Value	Growth Rate	Ranking
1	\$556,000,000.00	0.18%	Good
2	\$560,000,000.00	0.72%	Good
3	\$560,055,000.00	0.01%	Good

Average Annual Growth Rate: 0.30%

Compound Annual Growth Rate: 0.30%

Standard Deviation: 0.37

## Country D

Year	GDP Value	Growth Rate	Ranking
1	\$74,568,900.00	0.60%	Good
2	\$75,000,000.00	0.58%	Good
3	\$75,005,586.00	0.01%	Good

Average Annual Growth Rate: 0.39%

Compound Annual Growth Rate: 0.39%

Standard Deviation: 0.335

The Country D's economy is most stable.