**Bellman-Ford-Application**

1) Write a program to solve the **currency conversion problem** using shortest path algorithms(consider 10 different currencies).

**Resources:**
1) ▶ **Bellman-Ford in 4 minutes — Theory**
2) ▶ **Bellman-Ford in 5 minutes — Step by step example**
3) [https://cp-algorithms.com/graph/bellman_ford.html](https://cp-algorithms.com/graph/bellman_ford.html)

**Output:**

```
ubuntu@suyash-18-04:~/Desktop/Sem 5/IT300/Assignment4$ g++ currency_conversion.cpp
ubuntu@suyash-18-04:~/Desktop/Sem 5/IT300/Assignment4$ ./a.out
Enter the currency code (3 letter word. All caps): USD
INR: 129290
MYR: 7295.05
HKD: 13567
EUR: 1501.16
GBP: 1296.74
AUD: 2416.91
BRL: 9437.97
SGD: 2371.73
JPY: 195036
USD: 1742.61 (Final Answer)
GOLD: 1.00673
ubuntu@suyash-18-04:~/Desktop/Sem 5/IT300/Assignment4$ 
```