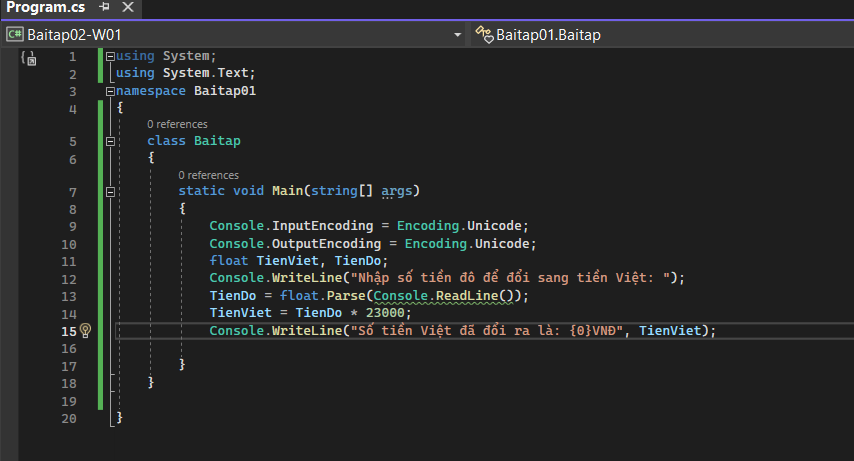
Code:



Flow-chart:

