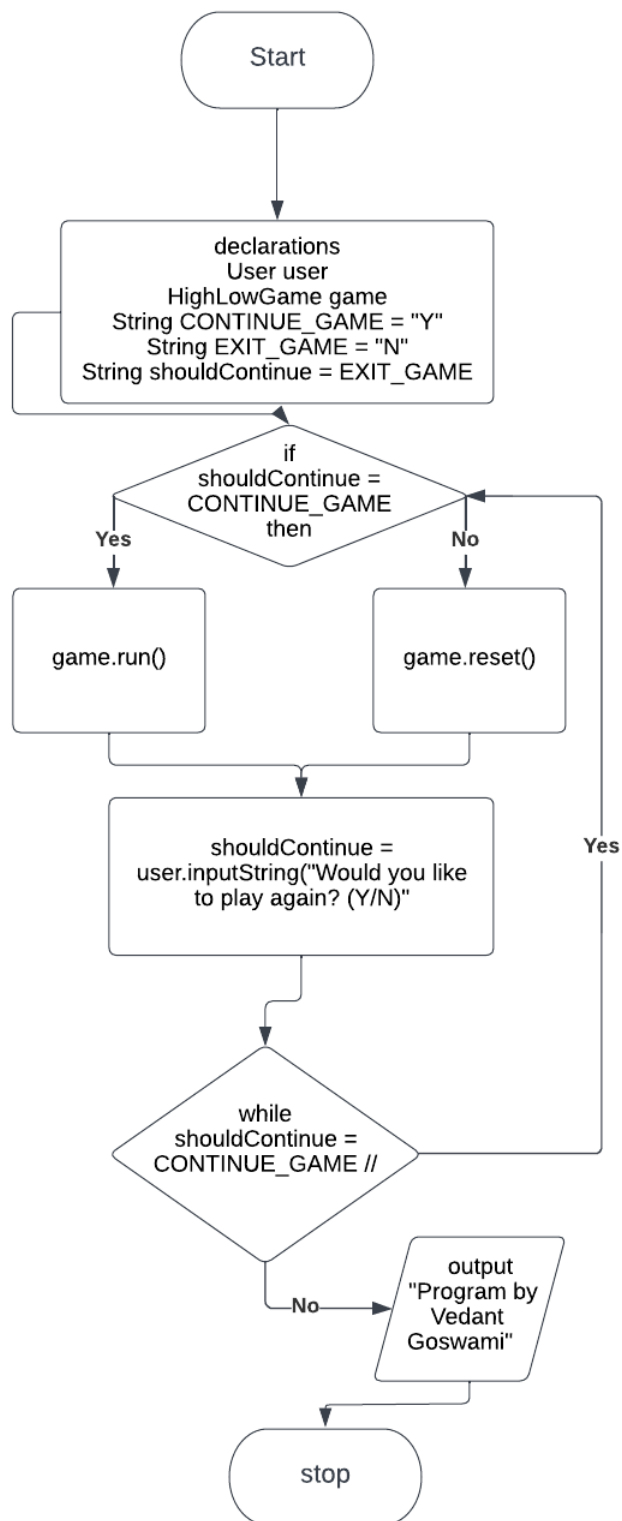




Name Vedant goswami

Exersize 5

Flow chart for main method:



## Test planes:

For loop in method reset()

value	value <= MAX ?	sum	Notes
1	Yes	1	Loop runs, sum is increased by 1
2	Yes	3	Loop runs, sum is increased by 2
3	Yes	6	Loop runs, sum is increased by 3
4	Yes	10	Loop runs, sum is increased by 4
5	Yes	15	Loop runs, sum is increased by 5
6	Yes	21	Loop runs, sum is increased by 6
7	Yes	28	Loop runs, sum is increased by 7
8	yes	36	Loop runs, sum is increased by 8
9	Yes	45	Loop runs, sum is increased by 9
10	Yes	55	Loop runs, sum is increased by 10
11	No		Loop stops

While loop in method run() trace table for user does guess answer

fuelAvailable	isWon	fuelAvailable > 0 && isWon == false ?	User input	Notes
27	false	Yes	5	Loop runs, user enters 5, fuelAvailable becomes 22 isWon remains false
22	false	Yes	4	Loop runs, user enters 4, fuelAvailable becomes 18 isWon becomes true
18	true	no		Loop gets over user wins

Do-While loop in method main() testing that program continues and exits

User input	shouldContinue = CONTINUE_GAME ?	Notes
y	Yes	User entered "y" to continue the game, loop continues
n	no	User entered "n" to stop the game, loop stops