Min Stack

class MinStack:

def \_\_init\_\_(self):

"""

initialize your data structure here.

"""

self.stack = []

def push(self, x: int) -> None:

if not self.stack:

self.stack.append((x,x))

return

minimum = self.stack[-1][1]

self.stack.append((x,min(x,minimum)))

def pop(self) -> None:

self.stack.pop()

def top(self) -> int:

return self.stack[-1][0]

def getMin(self) -> int:

return self.stack[-1][1]

# Your MinStack object will be instantiated and called as such:

# obj = MinStack()

# obj.push(x)

# obj.pop()

# param\_3 = obj.top()

# param\_4 = obj.getMin()