**BAHODIR OBLOQULOV** *py vazifa :* **stack**

**Stack yaratish**: element qushish, eng yuqori elementini chiqarish, element uchirish, bushlikka tekshirish, uzunligini chiqarish

# stek bushligi

# element qushish

# birinchi elementini chiqarish

# oxirgi elementini chiqarish

# nechta elemnti borligini ciqarish

# stack - Last int - First out

# evrika!           ->

class Stack:

    def \_\_init\_\_(self,element):

        self.element = element

        self.stack = []

    def push(self,element):

        self.element = element

        self.stack.append(self.element)

        return f"element qushildi : {self.stack}, "

    def pop(self):

        return f"element uchirildi : {self.stack.pop()}, "

    def top(self):

        return f"eng yuqori elementi : {self.stack[-1]},"

    def size(self):

        return f"elementlarining soni : {len(self.stack)} ta ,"

    def empty(self):

        if self.stack == []:

            return f"stack bo'sh {self.stack}"

        else:

            return f"stack bo'sh emas , uning elementlari : {self.stack}"

elem1 = Stack(2)

elem1.push(1)

elem1.push(2)

elem1.push(3)

elem1.push(4)

elem1.push(5)

elem1.push(6)

elem1.push(7)

elem1.push(8)

elem1.push(9)

elem1.push(10)

print(elem1.size())

print(f"{elem1.stack}")

print(elem1.pop())

print(elem1.size())

print(f"{elem1.stack}")

print(elem1.top())

print(elem1.empty())

print(elem1.size())

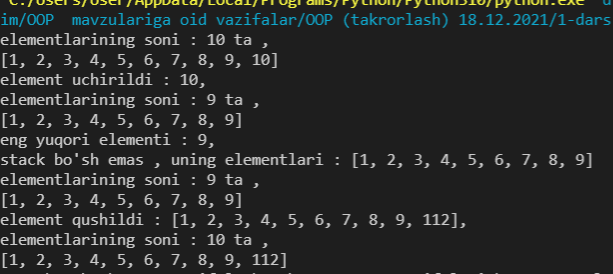
print(f"{elem1.stack}")

print(elem1.push(112))

print(elem1.size())

print(f"{elem1.stack}")

**result:**

****