DS PRACTICALS

## NAME: - MITALI VISHWEKAR

## ROLL NO: - 4020

## CLASS: - SYCS

## Practical 1a.

'''

Write a program to store the elements in 1-D array and provide an option to perform

the operatons like searching, sorting, merge\_eling, reversing the elements.

'''

class pract1D:

def \_init\_(self, a):

self.array = a

def search(self, e):

if e in self.array:

return True

return False

def sort(self):

for i in range(len(self.array)):

lowest\_index = i

for j in range(i+1, len(self.array)):

if self.array[j] < self.array[lowest\_index]:

lowest\_index = j

self.array[i], self.array[lowest\_index] = self.array[lowest\_index], self.array[i]

return self.array

def merge\_el(self,l):

self.array = self.array + l

return self.array

def reverse(self):

return self.array[::-1]

a = [5,6,7,89,2,5,6,1]

o = pract1D(a)

print(o.sort())

print(o.search(89))

print(o.merge\_el([8,5,7,9,3]))

print(o.reverse())