**APPLICATION OF STACK AND QUEUE PALINDROME CHECKER**

class Queue:

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

self.queue=[]

def is\_empty(self):

return len(self.queue) == 0

def enqueue(self,item):

self.queue.append(item)

def dequeue(self):

if self.is\_empty():

raise IndexError("Queue is empty")

return self.queue.pop(0)

def size(self):

return len(self.queue)

def is\_palindrome(s):

queue=Queue()

for ch in s:

queue.enqueue(ch)

while queue.size() > 1:

if queue.dequeue() != queue.queue[-1]:

return False

queue.queue.pop()

return True

st="radar"

if is\_palindrome(st):

print(f'"{st}" is a palindrome')

else:

print(f'"{st}" is not a palindrome')

**OUTPUT:**

"radar" is a palindrome