def generate\_binary\_numbers(n):  
 q = Queue()  
 q.push('1')  
 while n > 0:  
 num = q.pop()  
 print(num)  
 q.push(num + '0')  
 q.push(num + '1')  
 n = n – 1

PYTHON

def check\_validity(s):  
 stack = []  
 for char in s:  
 if char in ['(', '{', '[']: # opening bracket  
 stack.push(char)  
 continue  
  
 if stack.empty(): # no opening brackets remain  
 return False  
  
 other = stack.pop()  
 if char == ')' and other == '(':  
 continue  
 if char == '}' and other == '{':  
 continue  
 if char == ']' and other == '[':  
 continue  
  
 # opening bracket did not match  
 return False  
  
 if stack.empty():  
 return True  
  
 # not all opening brackets had a corresponding closing bracket  
 return False

PYTHON