**EXERCISE: 14**

**DATE: 23.11.2020**

**AIM:**

To write a Python class to find validity of a string of parentheses, '(', ')', '{', '}', '[' and '].

**PROGRAM:**

# def areBracketsBalanced(expr):

# stack=[]

# open\_expressions=['{','[','(']

# for i in range(len(expr)):

# if(expr[i] in open\_expressions):

# stack.append(expr[i])

# else:

# if not stack:

# return False

# curr=stack.pop()

# if(curr == '{' and expr[i]!='}'):

# return False

# if(curr == '[' and expr[i]!=']'):

# return False

# if(curr == '(' and expr[i]!=')'):

# return False

# if stack:

# return False

# else:

# return True

# if \_name\_ == "\_main\_":

# expr=input()

# if(areBracketsBalanced(expr)):

# print("valid")

# else:

# print("invalid")

**LINK:**

<http://103.53.53.18/mod/vpl/forms/submissionview.php?id=327&userid=1701>

**OUTPUT:**

{)

invalid

**RESULT:**

The validity of a string of parentheses is successfully verified.