EXERCISE NUMBER:14

DATE:21/11/2020

AIM:

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

PROGRAM:

a=input()

sq\_o,sq\_c,fl\_o,fl\_c,pr\_o,pr\_c=0,0,0,0,0,0

for i in a:

if(i=='{'):

fl\_o+=1

elif(i=='['):

sq\_o+=1

elif(i=='('):

pr\_o+=1

elif(i==')'):

pr\_c+=1

elif(i=='}'):

fl\_c+=1

elif(i==']'):

sq\_c+=1

if(sq\_o==sq\_c and pr\_o==pr\_c and fl\_o==fl\_c):

print("valid")

else:

print("invalid")

LINK:­

<http://103.53.53.18/mod/vpl/forms/edit.php?id=327&userid=1793#>

OUTPUT:

Text

Description automatically generated

RESULT:

The expected output is obtained successfully.