

#program to demonstrate balance delimiters

def checkBalanceDelimiters(expression):

    stack=[]

    for char in expression:

        if char in ["(", "{", "["]:

            stack.append(char)

    else:

        if not stack:

            return False

        curr\_char=stack.pop()

        if curr\_char=='(':

            if char !=")":

                return False

        if curr\_char=='{':

            if char !="}":

                return False

        if curr\_char=='[':

            if char !="]":

                return False

    if stack:

        return false

    return True

expr=input('enter a string \n')

if checkBalanceDelimiters(expr):

```
print("the given string in balanced\n",expr)
```

else:

```
print("The given string not balanced")
```

\*\*\*\*\*output\*\*\*\*\*

enter a string

5

The given string not balanced

enter a string

[]

the given string in balanced

[]