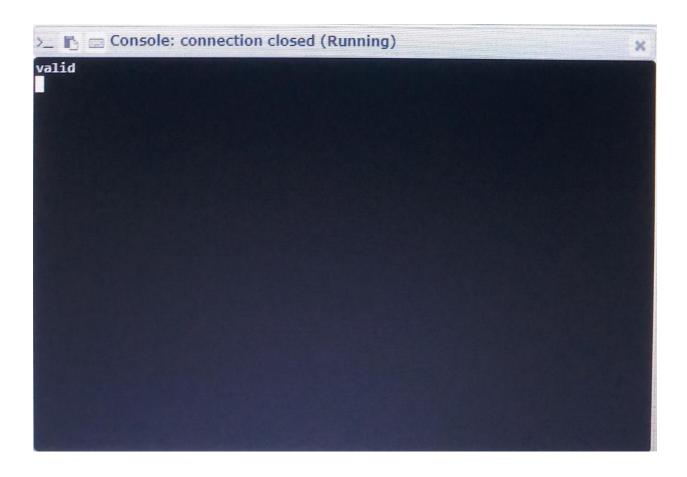
```
DATE: 20.11.2020
AIM:
  To write a Python class to find validity of a string of parentheses, '(', ')', '{', '}', '[' and '].
PROGRAM:
def areBracketsBalanced(expr):
  stack = []
  for char in expr:
    if char in ["(","{","["]:
       stack.append(char)
    else:
       if not stack:
         return false
       current_char = stack.pop()
       if current_char == '(':
         if char != ")":
           return False
         if current_char == '{':
           if char != '}':
              return False
         if current_char == '[':
           if current_char == '[':
              if char != "]":
                return False
  if stack:
     return False
```

EXERCISE: 14

return True

```
if __name__ == "__main__":
    expr = "{()}{[]"
    if areBracketsBalanced(expr):
        print("valid")
    else:
        print("invalid")

LINK:
http://103.53.53.18/mod/vpl/forms/submissionview.php?id=327&userid=1690
OUTPUT:
```



RESULT:

The validity of a string of parentheses is successfully verified.