

```

#insert any position in array by
location/index
from array import *
array_num = array('i', [1,2,3,4,5])
print("Original array:")
for i in array_num:
    print(i)
array_num.insert(2,9)    #Insert new value 4 before 3
print("after inserting the new array: ")
for i in array_num:
    print(i)

```

The screenshot shows the Visual Studio Code interface. The Explorer sidebar on the left contains a list of Python files, including 'diamond\_space.py', 'diamond.py', 'eval\_func.py', 'fact\_func.py', 'fact\_neg\_pos.py', 'fact\_user.py', 'factors.py', 'fibonacci\_print.py', 'for1.py', 'for2.py', 'for3.py', 'gcd\_other.py', 'gcd.py', 'hollow\_sq.py', 'input\_func.py', 'insert\_any\_array.py' (selected), 'largest\_among\_3.py', 'lcm\_other.py', 'lcm.py', 'leap\_yr.py', 'logical\_operator.py', 'maams\_prog.py', 'matrix\_add.py', 'matrix\_mul.py', 'matrix\_transpose.py', 'max\_of\_2\_no.py', 'multiple\_occ\_of\_same\_ele.py', 'odd\_even\_func.py', 'odd\_even.py', and 'palindrome.py'. The main editor window displays the output of the script in the TERMINAL pane. The output shows the original array [1, 2, 3, 4, 5] and the array after inserting the value 9 at index 2, resulting in [1, 2, 9, 3, 4, 5]. The status bar at the bottom indicates the file is at Line 10, Column 12, using UTF-8 encoding and CRLF line endings.