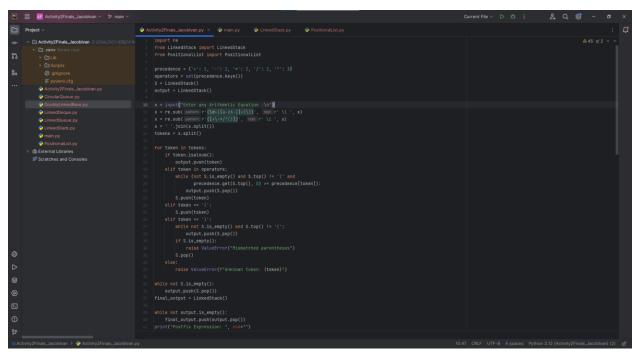
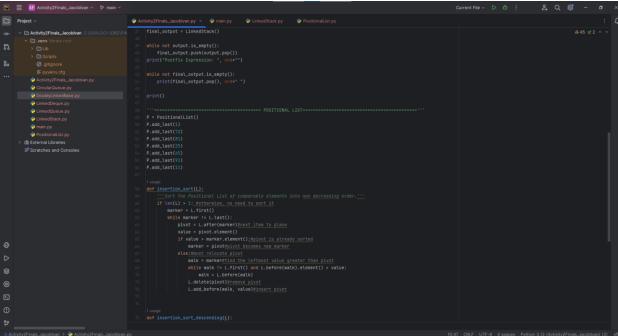
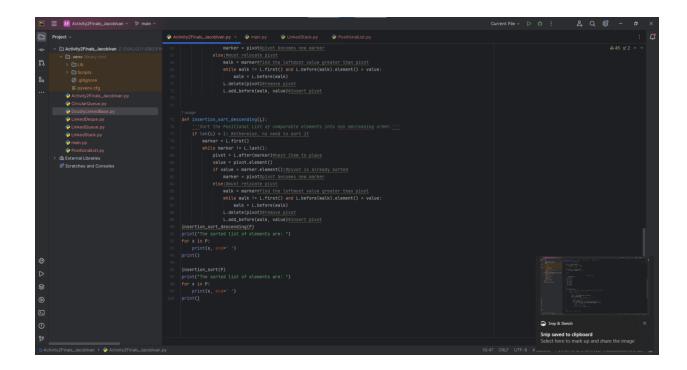
CODE:







```
Activity2Finals_Jacoblvan.py
                           e main.py
                                        PositionalList.py
      class LinkedStack:
             if self.is_empty():
             return self._head._element #top of the stack is the head of the list
         def pop(self):
```

```
def pop(self):

'''Remove and return the elements fro mthe top of the stack (LIFO)'''

'''Raise Empty exception if the stack is empty!'''

self.is_empty():

raise Exception("The stack is empty!")

answer = self._head._element

self._head = self._head._next

self._size -=1

return answer
```

```
Activity2Finals_Jacoblvan.py
                                           LinkedStack.py
                             main.py
                                                                PositionalList.py ×
      class PositionalList(_DoublyLinkedBase):
              return p._node
              if node is self._header or node is self._trailer:
```

```
Activity2Finals_Jacoblvan.py
                             🥐 main.py
                                           LinkedStack.py
                                                                🥏 PositionalList.py 🗵
              return self._make_position(self._header._next)
              return self._make_position(self._trailer._prev)
              return self._make_position(node._prev)
           def after(self, p):
              return self._make_position(node._next)
              cursor = self.first()
              while cursor is not None:
                  yield cursor.element()
          def _insert_between(self, e, predecessor, successor):
              return self._make_position(node)
```

```
e main.py
Activity2Finals_Jacoblvan.py
                                            LinkedStack.py
                                                               PositionalList.py ×
           def _insert_between(self, e, predecessor, successor):
              node = super()._insert_between(e, predecessor, successor)
              return self._make_position(node)
              return self._insert_between(e, self._header, self._header._next)
           def add_last(self, e):
              return self._insert_between(e, self._trailer._prev, self._trailer)
          def add_before(self, p, e):
              original = self._validate(p)
              return self._delete_node(original)#inherited method returns element
              original = self._validate(p)
              original._element = e #replace with new element
              return old_value #return the old element value
```

OUTPUT:

