

1. Step Over is executing the next line of code. If the next line of code is a method, then execute that method.

On the other side, Step Into is executing the next line of code. If the next line of code is a method, then move into that method.

2. When I am not interested in how a particular function works, I can skip it over (the function will still be executed) by using the Step Over command.
3. Step Out is moving out of the current method back to the calling method.

So, here in the example from our project, stepping out skips all iterations of the loop and takes you straight to the main method (the caller).

```
public void addElement(int index, double value){
    Node nodes = new Node(index,value);

    if (head == null){
        head = nodes;
    }
    else{
        Node front = head;
        while(front.getNext() != null){
            front = front.getNext();
        }
        front.setNext(nodes);
    }
}
```

```
public static void main(String[] args) {
    SparseVector vec = new SparseVector( len: 6);
    vec.addElement( index: 0, value: 10.0);
    vec.addElement( index: 3, value: -1.1);
    vec.addElement( index: 5, value: 32.0);
    System.out.println(vec);
}
```