```
        0   1   2   3   4
      | 10 | 20 | 30 | 40 | 50 |
```

index = 1

data = 70

```
      | 10 | 70 | 20 | 30 | 40 |
```

① Start
② read data
③ read index
④ i = SIZE-1
⑤ repeat 6,7   for i > index
⑥ set arr[i] = arr[i-1]
⑦ set i = i-1
⑧ set arr[index] = data
⑨ end

• First get the element to be inserted (data)

• Then get the index at which data is to be inserted (index)

• Then shift the array elements from this index to one position forward(towards right), and

 do this for all the other elements which are on the right side of the index.

• Insert the data now at this index