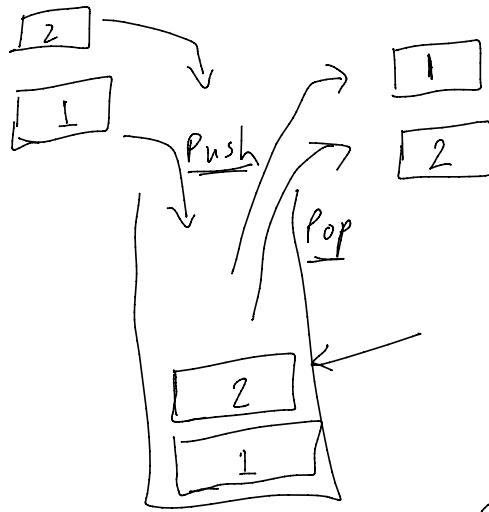
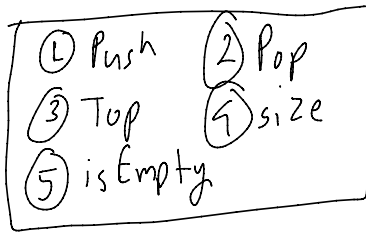


FILO
LIFO

Stack ADT



top (Read top ele)

size()
isEmpty()

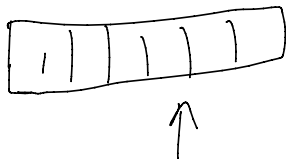
Stack

✓ Array Based

✓ linked list Based

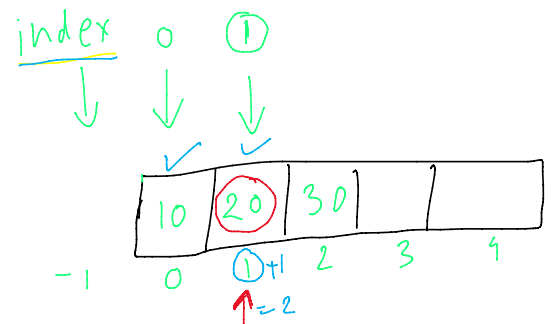
stack → 1000

MaxSize → fixed

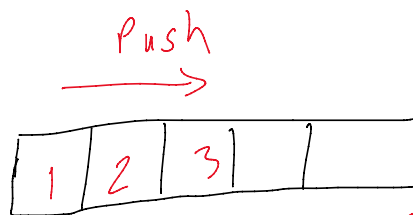


size → Dynamic
memory efficie

0 → 0 → 0 → 0



Array[5]
index = -1



```

push {
    index++;
    arr[index] = ele;
}
top {
    return arr[index];
}
pop {
    index--;
}

```

Pop

```

size {
    return index+1;
}
isEmpty {
    return index == -1;
}

```

```

push(10);
push(20);
push(30);
top(); → 30
pop();
top(); → 20

```

✓ Push(10) → Push front
 ✓ Push(20) → Push front

Pop() → Pop front
 Head → nullptr
 top → (Head → null)

```

empty {
    Head → null
}

```

Head → 10 → nullptr
 Head → 20 → 10 → null
 Head → 10 → null

