

JavaSummery

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Array:

```
int[] array= new int[20]; // allocating memory for array. it will be fixed sized
array[0]=5; //declaring first element array

//for loop - if nums is Array
for (int i = 0; i < nums.length i++){
    //nums[i];
}

//for each loop
for (int i: nums){
    //do stuff with i
}
```

ArrayList:

```
ArrayList<String>words=new ArrayList<String>();
ArrayList<Integer>num=new ArrayList<int>();
num.add(1);
num.get(0); // we need put index

//for loop - if nums is ArrayList
for (int i = 0; i < nums.size(); i++){
    //nums.get(i);
}

//for each loop
for (int i: nums){
    //do stuff with i
}
```

HashMap:

```
Map<String,String>myMap=new HashMap<>();

// add key
myMap.put("Hadi", "21");

// get the value of the key
myMap.get("Hadi");

// remove the key
myMap.remove("Hadi");
```

```
// clear whole Map  
myMap.clear();
```