boolean [] over = new boolean [5];

false false false false false

#### Print Alternate Array Elements Linewise

$$a = \begin{bmatrix} 0 & 1 & 2 & 3 & 4 & 5 & 6 & 7 \\ 8 & 5 & 5 & 2 & 3 & 7 & -4 & -2 \end{bmatrix}$$
 Size = 8

for (int 
$$i=0$$
;  $i< n$ ;  $i+=2$ ) {

Syso (Orn [i] + "");

```
public static void main(String[] args) {
   Scanner scn = new Scanner(System.in);
    int n = scn.nextInt();
   int[] arr = new int[n];
   for (int i = 0; i < n; i++) {
       arr[i] = scn.nextInt();
    printAlternateElements(arr, n);
}
public static void printAlternateElements(int[] arr, int n) {
   for (int i = 0; i < n; i += 2) {
       System.out.println(arr[i]);
   }
}
                         > index
                   ____s value cot i'th index
```

# Print Array Elements Reverse linewise

```
public static void main(String[] args) {
    Scanner scn = new Scanner(System.in);
    int n = scn.nextInt(); // size of array
    int[] arr = new int[n];
    for (int i = 0; i < n; i++) {
        arr[i] = scn.nextInt();
    printReverse(arr, n);
}
public static void printReverse(int[] arr, int n) {
    for (int i = n - 1; i \ge 0; i--) {
        System.out.print(arr[i] + " ");
```

# Print Array element if index divisible by 3

```
part elements when index is divisible by 3

Over = 8555237-4-4-2
```

```
public static void main(String[] args) {
      Scanner scn = new Scanner(System.in);
    int n = scn.nextInt();
 int[] arr = new int[n];
  for (int i = 0; i < n; i++) {
           arr[i] = scn.nextInt();
      printDivisibleBy3(arr, n);
 public static void printDivisibleBy3(int[] arr, int n) {
for (int i = 0; i < n; i++) {
    if ( i % 3 == 0 ) {
        System.out.print(arr[i] + " ");
    }
}
```

### Check if two arrays are identical?

if arrays are equal

size of both the arrays should be same

severy element at the coords pondeing index should be same

Ex:

or 1 = 4

or 1 = 5

-2

4

3

Mote: we always check opposite andition, from which is asked in the question.

psudo

1) check if m == n[1.1) loop from 0 to n[1.1.1) check if avoilli] l = 00012[i]

return false

[1.2) return true

a) else return false

```
code
```

```
public static void main(String[] args) {
   Scanner scn = new Scanner(System.in):
   int n = scn.nextInt();
   int[] arr1 = new int[n];
   for (int i = 0; i < n; i++) {
       arr1[i] = scn.nextInt();
   }
   int m = scn.nextInt();
   int[] arr2 = new int[m];
   for (int i = 0; i < m; i++) {
       arr2[i] = scn.nextInt();
   }
   boolean ans = checkEqualArrays(arr1, n, arr2, m);
   System.out.println(ans);
                                                                       i=0, (5 1=5) false
public static boolean checkEqualArrays(int[] arr1, int n, int[] arr2, int m) {
  _if ( n == m ) {
                                                                        i=1, (2 1=2) false
                                                                        (= 2, (3!=3) false
                                                                        (=3, (-4!=-4) false
       return true;
                                                                        (=4, (2)=2) false
  -} else {
                                                                        (=5, (3!=3) false
       return false;
```



This code is wrong

#### Print two arrays alternately

$$N = 5$$

$$0.001 = 10 20 30 46 50$$

$$0.0012 = 100 200 300 400 500$$

$$0.0012 = 100 200 300 400 500$$

$$0.0012 = 100 200 300 400 500$$

even index :- print our 1 odd index :- print our 2

```
psudo code

1) Joop from 0 to n

1.1) Check i 7.2==0

Syso (amt[i]);

else

Syso (am2[i]);
```

```
public static void main(String[] args) {
    Scanner scn = new Scanner(System.in);
    int n = scn.nextInt();

    int[] arr1 = new int[n];
    for (int i = 0; i < n; i++) {
        arr1[i] = scn.nextInt();
    }

    int[] arr2 = new int[n];</pre>
```

```
arr1[i] = scn.nextInt();
}
int[] arr2 = new int[n];
for (int i = 0; i < n; i++) {
    arr2[i] = scn.nextInt();
}
arrayBasic(arr1, arr2, n);</pre>
```

```
public static void arrayBasic(int[] arr1, int[] arr2, int n) {
    for (int i = 0; i < n; i++) {
        if ( i % 2 == 0 ) {
            System.out.print(arr1[i] + " ");
        } else {
            System.out.print(arr2[i] + " ");
        }
}</pre>
```

## Check if x is present in array or not

linear Search

we are going to check each and every element
from start to end, and if at any time
our convent element got equal to target then refuse true

```
code
```

```
_public static void main(String[] args) {
      Scanner scn = new Scanner(System.in);
      int n = scn.nextInt();
     int[] arr = new int[n];
     for (int i = 0; i < n; i++) {
          arr[i] = scn.nextInt();
      int target = scn.nextInt();
      boolean ans = findTarget(arr, n, target);
     -if ( ans == true ) {
          System.out.println("True");
          System.out.println("False");
 .public static boolean findTarget(int[] arr, int n, int target) {
    for (int i = 0; i < n; i++) {
    if ( arr[i] == target ) {
        return true;
    }</pre>
      return false;
```