Rotate 7-digit number to right by three

$$n = n \% 1000$$
 $\frac{1}{567}$
 $n = n / 1000$
 $\frac{1234}{}$

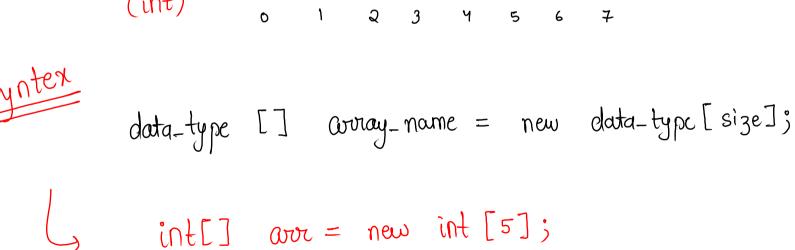
$$and = 9em *10000 + n$$
 (5671234)
(5670000) + (1234)

code

```
public static void main(String[] args) {
    Scanner scn = new Scanner(System.in);
    int t = scn.nextInt();
    for (int i = 0; i < t; i++) {
        int n = scn.nextInt();
        System.out.println(rotate(n));
    }
public static int rotate(int n) {
    int rem = n \% 1000;
    n = n / 1000;
    return ( rem * 10000 + n );
}
```

Print all factors of a number

```
public static void main(String[] args) {
    Scanner scn = new Scanner(System.in);
    int n = scn.nextInt();
    printFactors(n);
public static void printFactors(int n) {
    for (int i = 1; i <= n; i++) {
            ( n % i == 0 ) {
System.out.println(i);
```



Note: - In java, default values of ouray is always going to zero. int[] over = new int[5]; 100 aur [2] = 3; // upgradation
our [0] = 100; 11 avr [5] --- exception: avorage index out of bound

int a = avr [4]; // 0 // get the value

Note: - In String: str. length(); In avray: avr. length; 1/5

avor 3 4 10 2 3 Ч ovor[0]; Over [0] = 3 orun [1] = 4 aur [2] = 10 au [3] = -2

WON[4] = -4

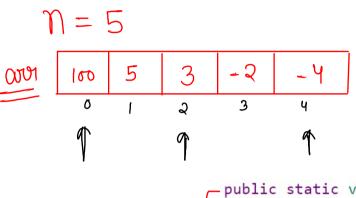
Print the array elements linewise

```
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();
    printArray(arr);
public static void printArray(int[] arr) {
    for (int i = 0; i < arr.length; i++) {
        System.out.println( arr[i] );
```

Note:- 'i' is index & ovor [i] is value

Print Alternate Array Elements Linewise





```
-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();
    }

    printAlternate(arr, n);

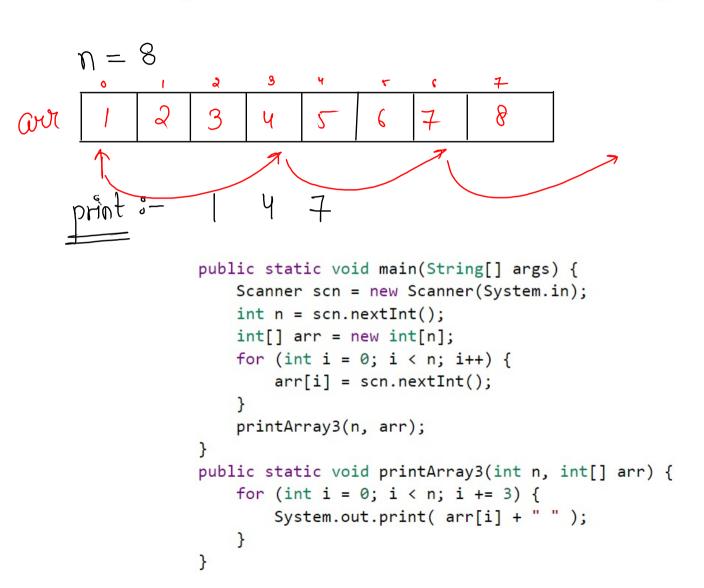
}

public static void printAlternate(int[] arr, int n) {
    for (int i = 0; i < n; i += 2) {
        System.out.println(arr[i]);
    }
}</pre>
```

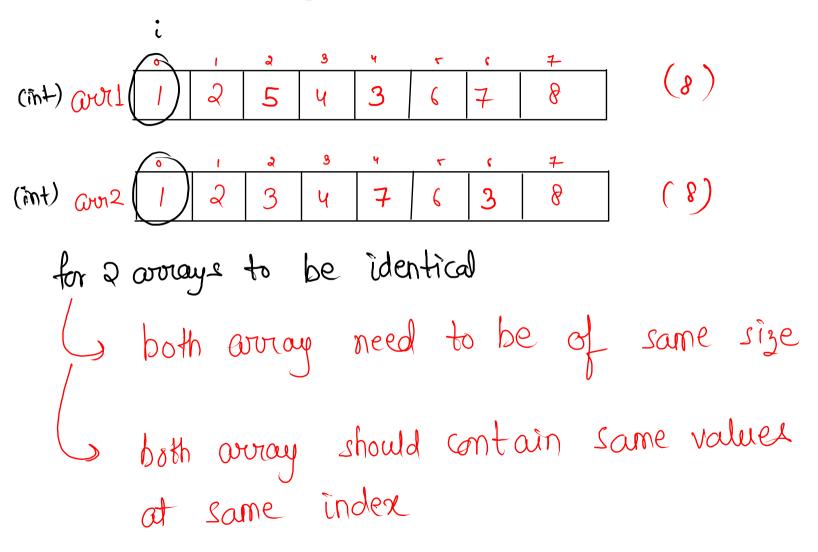
Print Array Elements Reverse linewise

```
M = 5
OUN
          5
      100
         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();
             printReverse(n, arr);
         public static void printReverse(int n, int[] arr) {
             for (int i = n - 1; i \ge 0; i - -) {
                 System.out.print(arr[i] + " ");
```

Print Array element if index divisible by 3



Check if two arrays are identical?



```
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();
    }
    System.out.println(isIdentical(arr1, arr2));
}
public static boolean isIdentical(int[] arr1, int[] arr2) {
    if ( arr1.length == arr2.length ) {
        for (int i = 0; i < arr1.length; i++) {
            if ( arr1[i] != arr2[i] ) {
               return false;
        return true;
    } else {
        return false;
```