$$M_1 = 0.545$$
 $M_2 = 0.986$
 $M_1 = 0.986$
 $M_2 = 0.986$
 $M_3 = 0.986$
 $M_4 = 0.986$
 $M_4 = 0.986$
 $M_5 = 0.986$
 $M_6 = 0.986$
 $M_7 = 0.986$

```
pow = 1 \times 10 = \frac{10^{1}}{10 \times 10} = \frac{10^{2}}{1000} \times 10 = \frac{10^{3}}{1000} \times 10 = \frac{10^{3
```

```
ublic static int getSum(int b, int n1, int n2){_
  int rv = 0, pow = 1, carry = 0;
  while(n1 > 0 | | | n2 > 0 | | | carry > 0){
      int d1 = n1 % 10;
      int d2 = n2 \% 10;
      int sum = d1 + d2 + carry;
      int digit = sum % base;
      carry = sum / base;
      rv = (digit*pow)+rv;
      n1 = n1 / 10;
      n2 = n2 / 10;
      pow = pow * 10;
  return rv;
```

$$n_2$$
 $\frac{1}{1}$ $\frac{1}{0}$ $\frac{1}{0}$ $\frac{1}{2}$ $\frac{1}{4}$

$$d_1 = 0$$

$$= 1 - 0 - 1$$

$$= 1 - 0 - 1$$

$$= 95 - 91 - person$$

	04340			l i	I lead	1	
911	N 2	8,	d ₂	mossod	disy	pow	
5638	10024	8	ч	0	b	اراهُ	_
567	1602	4	2	1	4	lo	
56	100	b	U	1	3	Ivo	
5	10	5	O	1	4	call	
	1	0	J		· D	\cuno	
0		0	'				•
6	0			0		10000	

```
int rv = 0, pow = 1, borrow = 0;
\negwhile(n2 > 0){
    int d1 = n1 % 10;
   \rightarrow int d2 = n2 % 10;
   __int diff = d2 - d1 - borrow;
     if(diff < 0){</pre>
         diff = diff + b;
         borrow = 1;
     }else{
         borrow = 0;
     rv = (diff * pow) + rv;
    \sim n1 = n1 / 10
    n2 = n2 / 10;
   _{\rm pow} = pow * 10;
return rv;
```

public static int getDifference(int b, int n1, int n2){

```
8V=0+(6)+(40)+(300)+(4000)+0>> 1/341
```

8 = b $1 = %$ $100 = %$			POW=1 181 182		0-1-1		
γ_1	Y12_	d,	d2	Morrod	diy	pov	
Ţ	120	1	6	0	0-1-0 =-1+8 =#	1	
0	10	0	0	1	0-0-1 = -1+8 = 7	lo	
	,	0		1	1-0-1	160	
0	[0]			0		1000	
12V= (7)+(20)+0 3) 27							



```
public static int getDifference(int b, int n1, int n2){
   int rv = 0, pow = 1, borrow = 0;
   while(n2 > 0){
       int d1 = n1 \% 10;
        int d2 = n2 \% 10;
        int diff = d2 - d1 - borrow;
       if(diff < 0){</pre>
            diff = diff + b;
            borrow = 1;
        }else{
            borrow = 0;
        rv = (diff * pow) + rv;
      _{\bullet} n1 = n1 / 10;
       n2 = n2 / 10;
       pow = pow * 10;
    return rv;
```

Arrays - Continuous spare allocation of some type

1 Declaration -

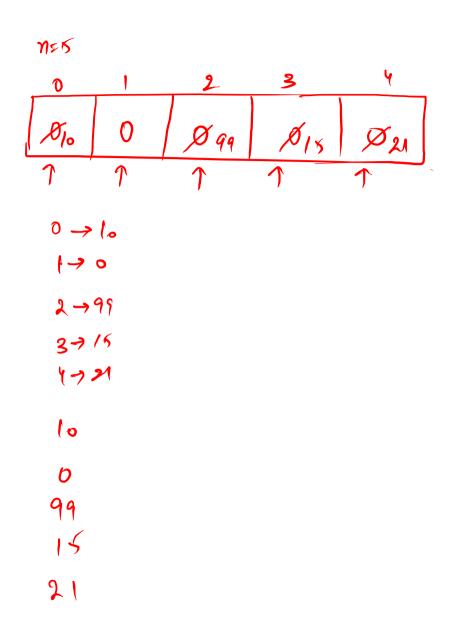
datatype an [] = new datatype [length];

int ancl= new int[s]

Inder > [0 -> length-1]

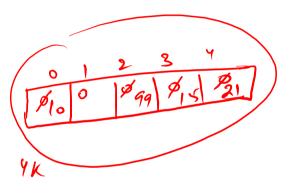
ari. length

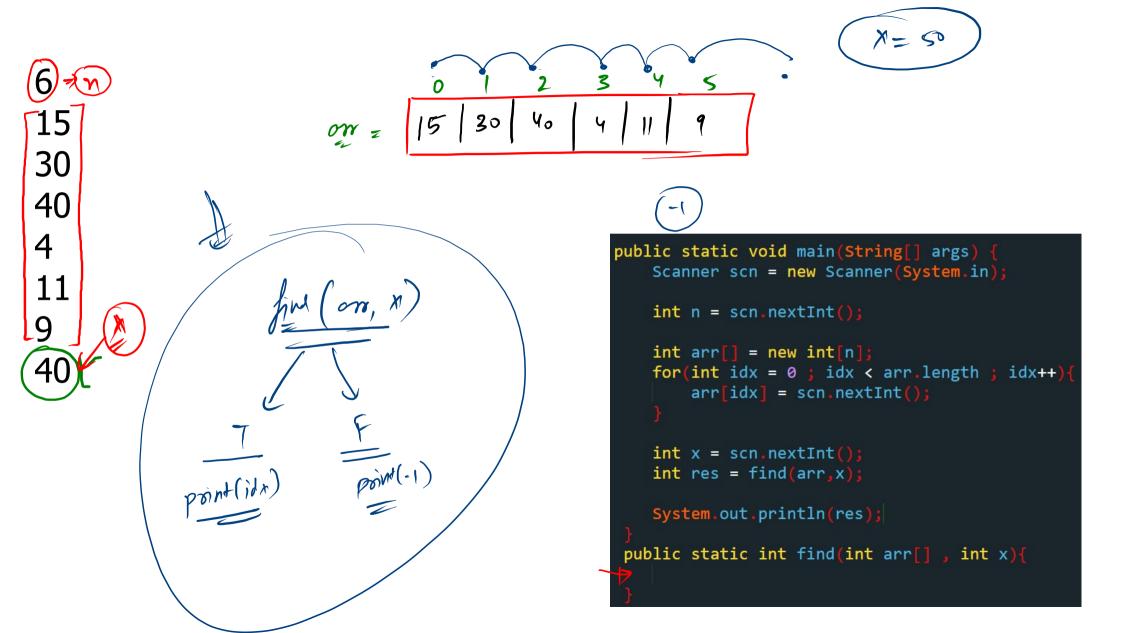
```
int n = 5;
int arr[] = new int[n];
arr[0] = 10;
arr[2] = 995
arr[3] = 15;
arr[4] = 21;
// arr[idx] = scn.nextInt();
for(int idx = 0 ; idx < arr.length ; idx++){</pre>
    System.out.println(idx +" --> "+ arr[idx]);
for(int val : arr){
    System.out.println(val);
System.out.println(arr.length);
```

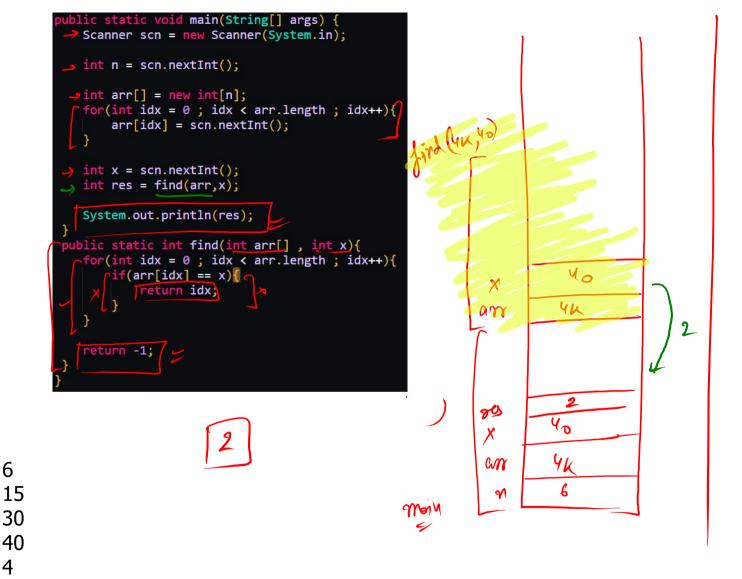


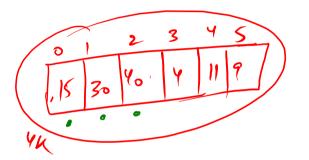
```
Jayoem stun
int n = 5;
int arr[] = new int[n];
arr[0] = 10;
arr[2] = 99;
arr[3] = 15;
arr[4] = 21;
// arr[idx] = scn.nextInt();
for(int idx = 0 ; idx < arr.length ; idx++){</pre>
    System.out.println(idx +" --> "+ arr[idx]);
for(int val : arr){
    System.out.println(val);
System.out.println(arr.length);
                           The may Mongment
                                                    cm)
                                                           4K
```

Mesp





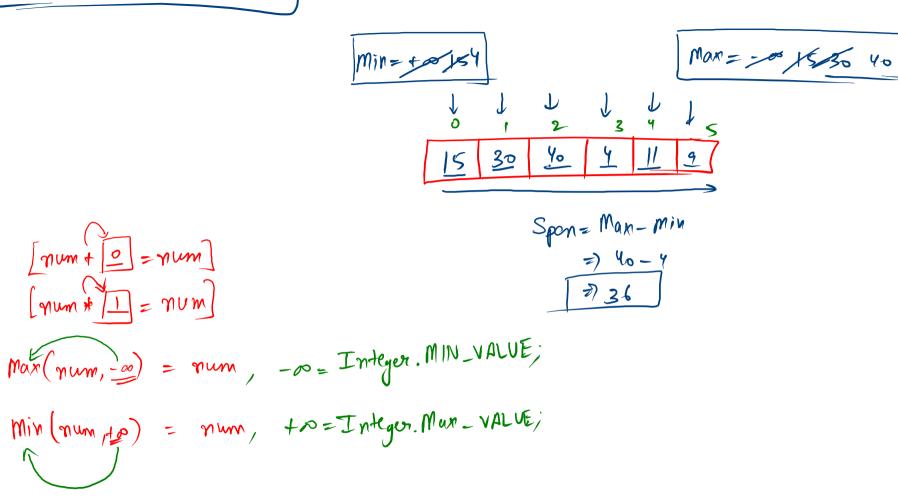


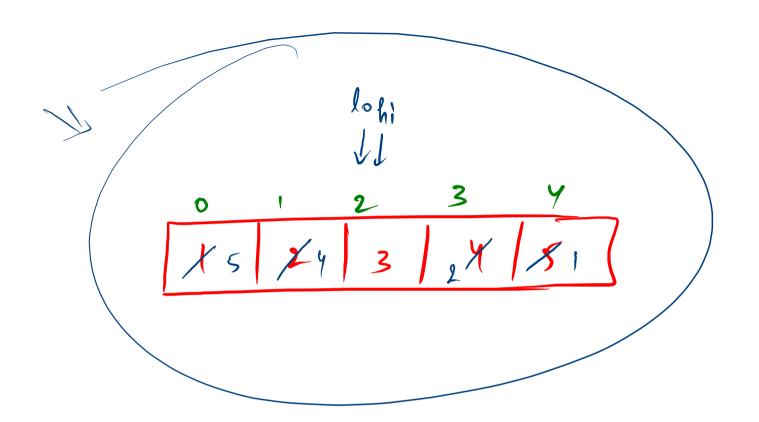


Spon= Max value - Min value

[num + [] = num]

[num *] = num]





```
public static void reverse(int[] arr){
    int lo = 0;
   int hi = arr.length-1;
   while(lo < hi){</pre>
        int tmp = arr[lo];
        arr[lo] = arr[hi];
        arr[hi] = tmp;
                                                                                      lo
        10++;
        hi--;
public static void main(String[] args) throws Exception {
   BufferedReader br = new BufferedReader(new InputStreamReader(System
.in));
    int n = Integer.parseInt(br.readLine());
   int[] a = new int[n];
    for(int i = 0; i < n; i++){</pre>
       a[i] = Integer.parseInt(br.readLine());
   reverse(a);
   display(a);
```