Ques 1 Find max of array

| 2 | 8 | -6 | 10 | -12 | 13 | 1 |

↑
i

max = $-\infty$ 2 8 10 13

Ques min

Ques Sum all

Ques Span of array

→ difference bw max and min

| 2 | 8 | -6 | 10 | -12 | 13 | 1 |

13 – (-12)
→ 25

Ques Sum odd and even index

0	1	2	3	4	5	6
2	8	-6	10	-12	13	1

Ques

1	4	2	4	3	5

$n = 4$

is Element Repeated

Ques

↓
6	3	4	5	1	2	5

repeated Element

↑

Ques Reverse an array

→
0	1	2	3	4	5
1	2	5	4	3	6

→
6	3	4	5	2	1

a2		c
5		0
4		1
3		2
2		3
1		4
		5

	1	1	1	1	1	0

```
int a2[] = new int [a. length];
for (int i=0; i < a.length; i++){
    a2[n-1-i] = a[i];
}
return a2;
```

6	3	4	5	2	1

↑ ↑
a b

Swap

$a = b$

$b = a$

$a = 20$

$b = \cancel{20}\ 20$

$int\ temp = a;$

$a = b;$

$b = temp;$

Ques inverse array

i	0	1	2	3	4	5
arr	5	1	3	0	4	2

① $0 \leq a[i] < n$

② No repetetion

	0	1	2	3	4	5
res	3	1	5	2	4	0

⟹ res

$res\left[arr[i]\right] = i;$

Ques Print all pairs whose sum is k

b=10

0	1	2	3	4	5	6	7	8	9	10	11
4	5	7	3	2	1	6	3	5	8	7	9

Console

4 6   2 8

5 5   1 9

7 3   3 7

7 3

3 7

$$\frac{n \times (n-1)}{2} \Rightarrow 78$$

i
↓

2	3	1	4

↑
j

b=5

(2 3)   3 1   (1 4)

2 1   3 4

2 4

Ques Print all triplets whose sum is k

t = 9

0	1	2	3	4	5	6
4	8	1	6	5	3	2

0 1 2
0 1 3
0 1 4
0 1 5
0 1 6

0 2 3
0 2 4
0 2 5
0 2 6

0 3 4
0 3 5
0 3 6

0 4 5
0 4 6

0 5 6