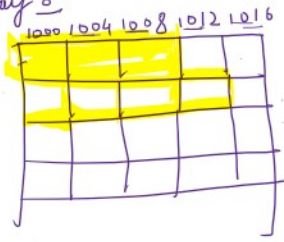


Array :-



int

3 | 2
4

Scanner s = new Scanner()

<data-type>[] name = new <data-type>[Size of this array];
float
int[] data = new int[10];

String[]

char[]

int[] a =

[⁰0, ¹32, ²0, ³0, ⁴0]

Sort(a[1]) // 0

a[1] = 32

max

a = [5, 10, 2, 30, 15]
0 1 2 3 4
max = Integer.Min value
i = 0

for (0 to a.length-1) {
if (max < a[i]) {
max = a[i]
}
}

find k

a = [10, 1, 5, 6, 8, 9] k = 6

for (0 to a.length-1) {
if (a[i] == k) {
return i;
}

Prime Number :

$$\frac{17}{\text{"prime"}}$$

$$\frac{232}{\text{"not a prime"}}$$

$$\frac{2, 3, 4, \dots (n/2) - 1}{n=17}$$

$$\frac{2, 3, 4, \dots}{13}$$

$$27 \% 3 = 0$$

$$16 \% 8 = 0$$

$$n = 16/2 = 8 \mid \underline{15}$$

$$n = 17/2 = 8.5$$

$$\underline{2} \quad \underline{7}$$

$$\frac{16}{8}$$

$$17 \% 8.5 = 0$$