

1. Given a sorted array of numbers, remove numbers that are divisible by 13 from the array.

2. Below we have given you an array and a number. Write a program that checks if the number appears in the array.

```
arr = [1, 3, 5, 6, 8]
```

```
Number = 3
```

3. Write a program that iterates over an array, incrementing each value in the original array. At the end of this program, the original array and the new array should both be printed to the screen using puts.

4. Write a Ruby program to remove duplicates from an array.

```
arr = [1, 3, 3, 6, 4]
```

```
Output: arr = [1, 6, 4]
```

5. Write a Ruby program to check if two arrays have the same first element.

```
arr1 = [1, 2, 5]
```

```
arr2 = [1, 4, 9]
```

```
Output: true
```

6. Write a Ruby program to remove blank elements from a given array.

7. Write a Ruby program to compute the sum of the first 2 elements of a given array of integers. If the array length is less than 2, just sum up the elements that exist, returning 0 if the length of the array is 0.

8. Use the each method of Array to iterate over [1, 2, 3, 4, 5, 6, 7, 8, 9, 10], and print out each value.

9. Write a Ruby program to check whether a given array of integers contains 3 twice, or not. The array will be of length 0, 1, or 2.

```
arr1 = [3, 6, 3]
```

```
arr2 = [5, 1, 4]
```

```
Output: true
```

10. Write a Ruby program to compute the sum of two arrays (length 3) and return the one which has the largest sum.

```
arr1 = [1, 3, 5]
```

```
arr2 = [2, 4, 4]
```

11. Write a Ruby program to find the largest value from a given array of integers of length. The array length will be at least 1.

12. Write a Ruby program to find the most occurred item in a given array.

```
arr = [1, 3, 3, 7, 7, 7, 9, 9, 9, 9]
```

13. Write a Ruby program to check whether 7 appears as either the first or last element in a given array. The array length must be 1 or more.

```
arr1 = [1, 2, 7]
```

```
arr2 = [7, 1, 2, 3]
```

```
arr1 = [14, 7, 1, 2, 3]
```