1.) **Create a 1D array of numbers from 0 to 9 called *arr*.. Desired output:**
#> array([0, 1, 2, 3, 4, 5, 6, 7, 8, 9])

2.) **From *arr*, extract all odd numbers.**

3.) **Replace all even numbers in *arr* with -1.**

4.) **Convert the following 1D array to a 2D array with 2 rows.**
Input: `np.arange(10)`
#> array([0, 1, 2, 3, 4, 5, 6, 7, 8, 9])

Desired Output:

```
array([[0, 1, 2, 3, 4],
       [5, 6, 7, 8, 9]])
```

5.) **Create a single dimension array, *array_1d*, of size n containing integers 0 to n-1. Reshape the array. The reshaped array, *array_reshaped*, should be n/3 columns and 3 rows.**

6.) **Create a numpy identity matrix of size n.**

7.) **Create an array filled with zeroes of size n x n (n rows, n columns).**