Arrays

- Array Declaration and Initialization:

```
int ara[]={10,20,30,40};
printf("%d\n",ara[0]);
printf("%d\n",ara[1]);
printf("%d\n",ara[2]);
printf("%d",ara[3]);
```

```
int ara[4];
 ara[0] = 10;
 ara[1] = 20;
 ara[2] = 30;
 ara[3] = 40;
 printf("%d\n",ara[0]);
 printf("%d\n",ara[1]);
 printf("%d\n",ara[2]);
 printf("%d",ara[3]);
```

- Array Declaration and Initialization using loop:

```
int n;
 scanf("%d",&n);

 int ara[n];

 for(int i=0;i<n;i++)
 {
    scanf("%d",&ara[i]);
 }

 for(int i=0;i<n;i++)
 {
    printf("Output: %d\n",ara[i]);
 }
```

- Array Practice:
    1. Print array in reverse order
    2. Delete and Insert a value in any position
    3. Search an element from array
    4. Print sum of array values.
    5. Print all even and odd number from array values.

- Assignment:
    1. Print all the prime numbers from array values.
    2. https://codeforwin.org/c-programming/array-programming-exercises-and (From 1 to 18)
- References:
    1. https://www.geeksforgeeks.org/compiling-a-c-program-behind-the-scenes/
    2. https://www.programiz.com/c-programming/c-arrays