**Basic Traversal**

1. Write a program to **print all elements** of {10, 20, 30, 40, 50} using a **for loop**.
2. Write a program to **print all elements** of {5, 15, 25, 35, 45} using a **for-each loop**.
3. Write a program to print the array {7, 14, 21, 28} in **reverse order** using a for loop.
4. Write a program to print **only even numbers** from {12, 19, 20, 25, 30}.
5. Write a program to print **only odd numbers** from {3, 6, 9, 12, 15, 18}.

**Summation & Counting**

1. Write a program to calculate the **sum of all elements** in {1, 2, 3, 4, 5}.
2. Write a program to find the **average** of {10, 20, 30, 40, 50}.
3. Write a program to **count how many positive numbers** are in {10, -5, 7, -3, 8, -2}.
4. Write a program to **count how many negative numbers** are in {4, -1, -7, 5, 0, -3}.
5. Write a program to **count how many numbers are divisible by 5** in {5, 12, 25, 40, 7, 50}.

**Searching & Finding**

1. Write a program to find the **largest element** in {9, 4, 17, 3, 20}.
2. Write a program to find the **smallest element** in {15, 7, 22, 3, 10}.
3. Write a program to search for a number in an array {2, 4, 6, 8, 10} and print **"Found"** or **"Not Found"**.
4. Write a program to find the **index** of a given element in {100, 200, 300, 400, 500}.

**Modifying Arrays**

1. Write a program to **increase each element by 5** in {2, 4, 6, 8} and print the updated array.
2. Write a program to **multiply each element by 2** in {3, 6, 9, 12} and print the updated array.

**Pattern & Logic**

1. Write a program to **print elements at even indexes** from {11, 22, 33, 44, 55}.
2. Write a program to **print elements at odd indexes** from {9, 18, 27, 36, 45}.
3. Write a program to print **only the first half** of the array {1, 2, 3, 4, 5, 6}.
4. Write a program to print **only the second half** of the array {1, 2, 3, 4, 5, 6}.