```c
1   #include <stdio.h>
2   int main()
3   {
4   int a[5], i, max;
5   printf("Enter 5 numbers:\n ");
6   for(i = 0; i < 5; i++)
7   scanf("%d", &a[i]);
8   max = a[0];   // assume first
                number is maximum
9   for(i = 1; i < 5; i++)
10   {
11   if(a[i] > max)   //
                  compare with each
                  element
12   max = a[i];   // update
                      max if bigger value
                      found
13   }
14
15   printf("Maximum = %d", max);
16   return 0;
17 }
```

Run
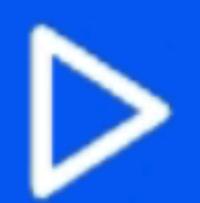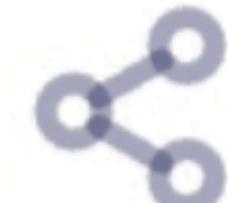
main.c | **Output**

Enter 5 numbers:
 56

67

86

85

97

Maximum = 97

=== Code Execution Successful ===

```c
#include <stdio.h>
int main()
{
    int arr[5], i, sum = 0;
    printf("Enter 5 numbers:\n ");
    for(i = 0; i < 5; i++)
    {
        scanf("%d", &arr[i]);
        sum = sum + arr[i];    // add each number to sum
    }
    printf("Sum = %d", sum);
    return 0;
}
```

Enter 5 numbers:

 7

4

5

6

22

Sum = 44

=== Code Execution Successful ===

main.c | Output

```c
#include <stdio.h>
int main()
{
    int arr[5], i;
    printf("Enter 5 numbers:\n ");
    for(i = 0; i < 5; i++)
        scanf("%d", &arr[i]);
    printf("Array in reverse order: ");
    for(i = 4; i >= 0; i--)
        printf("%d ", arr[i]);
    return 0;
}
```

Run

main.c | **Output**

```
Enter 5 numbers:
 56
78
3
34
22
Array in reverse order: 22 34 3 78 56


=== Code Execution Successful ===
```