2 July

**C Program to count the number of positive and negative numbers in an array.**

#include <stdio.h>

int countPositiveNumbers(int\* arr, int n)

{

int pos\_count = 0;

int i;

for (i = 0; i < n; i++) {

if (arr[i] > 0)

pos\_count++;

}

return pos\_count;

}

int countNegativeNumbers(int\* arr, int n)

{

int neg\_count = 0;

int i;

for (i = 0; i < n; i++) {

if (arr[i] < 0)

neg\_count++;

}

return neg\_count;

}

void printArray(int\* arr, int n)

{

int i;

printf("Array: ");

for (i = 0; i < n; i++) {

printf("%d ", arr[i]);

}

printf("\n");

}

int main()

{

int arr[] = { 2, -1, 5, 6, 0, -3 };

int n;

n = sizeof(arr) / sizeof(arr[0]);

printArray(arr, n);

printf("Count of Positive elements = %d\n",countPositiveNumbers(arr, n));

printf("Count of Negative elements = %d\n", countNegativeNumbers(arr, n));

return 0;

}