1. Write a C++ Program to store two binary numbers in arrays and perform bitwiseAND, OR and XOR operations on these two numbers.

```
#include<iostream.h>
#include<conio.h>
 using namespace std;
void printArray(int arr[], int n)
{
for (int i = 0; i < n; i++) {
cout << arr[i] << " ";
}cout << endl;
}
void andOperation(int arr1[], int
arr2[], int n) {int result[5];
for (int i = 0; i < n; i++)
 {
 result[i] = arr1[i] & arr2[i];
cout << "Bitwise AND: "<<endl;
printArray(result, n);
}
void orOperation(int arr1[], int arr2[], int n)
{int result[5];
int i=0;
for (int i = 0; i < n; i++)
 result[i] = arr1[i] | arr2[i];
 cout << "Bitwise OR: "<<endl;
printArray(result, n);
}
void xorOperation(int arr1[], int arr2[], int n)
 {int result[5];
```

```
for (int i = 0; i < n; i++)
 result[i] = arr1[i] ^ arr2[i];
cout << "Bitwise XOR: "<<endl;
printArray(result, n);
}
int main()
 {
clrscr();
int n;
   cout << "Enter the number of bits: ";
   cin >> n;
   int arr1[5], arr2[5];
   cout << "Enter the first binary number:"<<endl;
   for (int i = 0; i < n; i++) {
   cin >> arr1[i];
   } cout << "Enter the second binary number: "<<endl;
   for (int i = 0; i < n; i++) {
   cin >> arr2[i];
   }
   cout<<"Binary 1=";
    printArray(arr1, n);
    cout<<"Binary 2=";
   printArray(arr2, n);
    andOperation(arr1, arr2, n);
   orOperation(arr1, arr2, n);
    xorOperation(arr1, arr2, n);
   return 0;
}
```