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SHELL SORT:
// C++ implementation of Shell Sort
#include<iostream>
using namespace std;
void ShellSort(int arr[], int n)
         for(int gap=n/2;gap>0;gap /= 2)
                  for(int j = gap; j < n; j += 1)
                            int temp = arr[j];
                            int i=0;
                           for(i=j;(i>=gap)&&(arr[i-gap]>temp);i-
=gap)
                           {
                                     arr[i] = arr[i-gap];
                           arr[i] = temp;
                  }
         }
}
int main()
         cout<<"Enter the size of the array: "<<endl;</pre>
         cin>>n;
         int arr1[n],arr2[n];
         cout<<"Enter "<<n<<" integers in any order"<<endl;</pre>
         for(int i=0;i<n;i++)</pre>
                  cin>>arr1[i];
                  arr2[i]=arr1[i];
         }
         cout<<endl<<"Before Sorting: "<<endl;</pre>
         for(int i=0;i<n;i++)</pre>
                  cout<<arr1[i]<<" ";
         }
         cout<<endl<<"SHELL SORT "<<endl;</pre>
         ShellSort(arr1, n); // SHELL SORT CALLED HERE
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cout<<endl<<"After Sorting: "<<endl;</pre>

cout<<arr1[i]<<" ";

for(int i=0;i<n;i++)</pre>

{

}

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return 0;
}
```