```
#include<iostream>
using namespace std;

// get maximum value in array[]
int getMax(int array[], int n)
{
 int max = array[0];
 for(int i = 1; i < n; i++)
  if (array[i] > max)
   max = array[i];
  return max; // 967
}

// Counting sort of arr[] according to the digit
void countSort(int array[], int n, int exp) // (arr,7,1)
{
 int output[n], i, count[10] = {0};

 // Store count of occurrences in count[]
 for (i = 0; i < n; i++)
  count[ (array[i]/exp)%10 ]++;

 // modifying count
 for(i = 1; i < 10; i++)
  count[i] += count[i - 1];

 // Build the output array
 for(i = n - 1; i >= 0; i--)
 {
  output[count[ (array[i]/exp)%10 ] - 1] = array[i];
  count[ (array[i]/exp)%10 ]--;
 }

 // Copy the output array to array
 for(i = 0; i < n; i++)
  array[i] = output[i];
}

// Radix Sort
void radixsort(int array[], int n)
{
 // Find the maximum number to know number of digits
 int m = getMax(array, n);

 // Do counting sort for every digit
 for(int exp = 1; m/exp > 0; exp *=10)
  countSort(array, n, exp); // (arr,7,1)
}

int main()
{
 int array[] = {14,340,532,24,967,535,106};
 int n = sizeof(array)/sizeof(array[0]);
 radixsort(array, n);
 cout<<"Sorted elements are :-\n";
```

```
 for(int i = 0; i < n; i++)
  cout<<array[i]<<"\t";
 return 0;
}
```