OUTPUT:

```
114  void mergeSort(int arr[], int l, int r) {
115      if (l < r) {
116          int m = l + (r - 1) / 2;
117          mergeSort(arr, l, m);
118          mergeSort(arr, m + 1, r);
119          merge(arr, l, m, r);
120      }
121  }
122  int main()
```

input

Input Length	Heap Sort(s)	Insertion Sort(s)	Merge Sort(s)		Best Time	
1000	0.00027	0.00119	0.00022		Merge	
10000	0.00379	0.11335	0.00263		Merge	
25000	0.01027	0.68842	0.00725		Merge	
50000	0.02190	2.56290	0.01485		Merge	
150000	0.06543	17.73879		0.03728		Merge
250000	0.10003	80.09438		0.28973		Heap

...Program finished with exit code 0
Press ENTER to exit console.