Big-O for Problem 1

Since arrays are being used, there are a few dependencies: digits in each number occupying array space and the number of array entries.

Each of the combination lines within the separate sections of sorting, e.g.

```
sortarr[inde]=sortarr[inde]+1;
```

```
 sortarr[i]+= sortarr[i-1];
```

```
b[sortarr[indx]] = a[i];
```

all depend on these parameters, since each number has # of digits b and the array has # of entries n.

Thus, we have O(d*n), as there are n entries, with b digits each. This gives a linear big O complexity.