```c
#include <stdio.h>

void main() {
  int i, n = 9, t = 1, sort = 0, mark = 1;
  int  count[10], countclone[10], countnum[10];
  printf("Enter the maximum array : ");
  scanf("%d", & n);
  printf("Your array is : %d\n", n);
  for (i = 0; i <= n - 1; i++) {
    printf("\nEnter the number - %d : ", i + 1);
    scanf("%d", & count[i]);
    printf("Your number is : %d\n", count[i]);
    countclone[i] = count[i];
  }
  printf("\nYour array is have \n");
  for (i = 0; i < n; i++) {
    for (t = i + 1; t < n; ++t) {
      if (countclone[i] > countclone[t]) {
        sort = countclone[i];
        countclone[i] = countclone[t];
        countclone[t] = sort;
      }

    }

  }
  t = 1;
  for (i = 0; i < n; i++) {
    countnum[i] = t;
    for (t = 0; t < n; t++) {

      if (countclone[i] == countclone[t]) {
        countnum[i] = mark++;
      }
    }
    mark = 1;
    if(countclone[i] != countclone[i-1])
    {
      printf("\n%d -> %d ", countclone[i], countnum[i]);
    }
  }
}
```

```
Enter the number - 3 : 2
Your number is : 2

Enter the number - 4 : 1
Your number is : 1

Enter the number - 5 : 3
Your number is : 3

Enter the number - 6 : 4
Your number is : 4

Enter the number - 7 : 5
Your number is : 5

Enter the number - 8 : 7
Your number is : 7

Enter the number - 9 : 8
Your number is : 8

Your array is have

1 -> 1
2 -> 1
3 -> 1
4 -> 2
5 -> 1
6 -> 1
7 -> 1
8 -> 1
--------------------------------
Process exited after 10.08 seconds with return value 9
Press any key to continue . . .
```

```
Strat
```

```
int i, n = 9, t = 1, sort = 0, mark = 1;
int count[10], countclone[10], countnum[10];
```

```
printf("Your array is : %d\n", n);
```

```
for (i = 0; i <= n - 1; i++)
```

```
printf("Your number is : %d\n", count[i]);
countclone[i] = count[i];
```

```
printf("\nEnter the number - %d : ", i + 1);
scanf("%d", & count[i]);
```

```
for (i = 0; i < n; i++)
```

```
for (i = 0; i < n; i++)
```

```
for (t = 0; t < n; t++)
```

```
printf("\nEnter the number - %d : ", i + 1);
scanf("%d", & count[i]);
```

```
for (t = 0; t < n; t++)
```

```
printf("\n%d -> %d ", countclone[i], countnum[i]);
```

```
Stop
```