

Лабораторна робота 1

“Автоматичний режим “benchmark” з вимірами ефективності роботи різних механізмів зберігання”

1) Робота з бінарні файлами та рядками С

а) N: 10-15 елементів

```
b
Write count of element:
10
--- Complete!!! ---
--- Complete!!! ---
Time taken by program: 9833 microseconds
```

```
b
Write count of element:
10
--- Complete!!! ---
--- Complete!!! ---
Time taken by program: 10061 microseconds
```

```
b
Write count of element:
11
--- Complete!!! ---
--- Complete!!! ---
Time taken by program: 8044 microseconds
```

```
b
Write count of element:
11
--- Complete!!! ---
--- Complete!!! ---
Time taken by program: 9931 microseconds
```

```
b
Write count of element:
12
--- Complete!!! ---
--- Complete!!! ---
Time taken by program: 7564 microseconds
```

```
b
Write count of element:
12
--- Complete!!! ---
--- Complete!!! ---
Time taken by program: 9797 microseconds
```

```
b
Write count of element:
13
--- Complete!!! ---
--- Complete!!! ---
Time taken by program: 9906 microseconds
```

```
b
Write count of element:
13
--- Complete!!! ---
--- Complete!!! ---
Time taken by program: 9812 microseconds
```

```
b
Write count of element:
14
--- Complete!!! ---
--- Complete!!! ---
Time taken by program: 9997 microseconds
```

```
b
Write count of element:
14
--- Complete!!! ---
--- Complete!!! ---
Time taken by program: 9835 microseconds
```

```
b
Write count of element:
15
--- Complete!!! ---
--- Complete!!! ---
Time taken by program: 9826 microseconds
```

```
b
Write count of element:
15
--- Complete!!! ---
--- Complete!!! ---
Time taken by program: 10017 microseconds
```

b) N: 20 (*2) елементів

```
b
Write count of element:
20
--- Complete!!! ---
--- Complete!!! ---
Time taken by program: 9001 microseconds
```

```
b
Write count of element:
20
--- Complete!!! ---
--- Complete!!! ---
Time taken by program: 10029 microseconds
```

```
b
Write count of element:
40
--- Complete!!! ---
--- Complete!!! ---
Time taken by program: 9832 microseconds
```

```
b
Write count of element:
40
--- Complete!!! ---
--- Complete!!! ---
Time taken by program: 10130 microseconds
```

```
b
Write count of element:
80
--- Complete!!! ---
--- Complete!!! ---
Time taken by program: 19908 microseconds
```

```
b
Write count of element:
80
--- Complete!!! ---
--- Complete!!! ---
Time taken by program: 19923 microseconds
```

2) Робота з текстовими файлами та рядками С

a) N: 20 (*2) елементів

```
Write count of element:
10
--- Complete!!! ---
--- Complete!!! ---
Time taken by program: 10110 microseconds
```

```
b
Write count of element:
10
--- Complete!!! ---
--- Complete!!! ---
Time taken by program: 9796 microseconds
```

```
Write count of element:
20
--- Complete!!! ---
--- Complete!!! ---
Time taken by program: 9833 microseconds
```

```
b
Write count of element:
20
--- Complete!!! ---
--- Complete!!! ---
Time taken by program: 10020 microseconds
```

```
b
Write count of element:
40
--- Complete!!! ---
--- Complete!!! ---
Time taken by program: 19797 microseconds
```

```
b
Write count of element:
40
--- Complete!!! ---
--- Complete!!! ---
Time taken by program: 9973 microseconds
```