

# check50

cs50/problems/2025/x/dna

:) dna.py exists

**Log**

```
running python3 dna.py databases/small.csv sequences/1.txt...
```

```
checking for output "Bob\n"...
```

:) correctly identifies sequences/1.txt

**Log**

```
running python3 dna.py databases/small.csv sequences/2.txt...
```

```
checking for output "No match\n"...
```

:) correctly identifies sequences/2.txt

**Log**

```
running python3 dna.py databases/small.csv sequences/3.txt...
```

```
checking for output "No match\n"...
```

:) correctly identifies sequences/3.txt

**Log**

```
running python3 dna.py databases/small.csv sequences/4.txt...
```

```
checking for output "Alice\n"...
```

:) correctly identifies sequences/4.txt

**Log**

```
running python3 dna.py databases/small.csv sequences/5.txt...
```

```
checking for output "Bob\n"...
```

:) correctly identifies sequences/5.txt

**Log**

```
running python3 dna.py databases/large.csv sequences/5.txt...
```

```
running python3 dna.py databases/large.csv sequences/6.txt...  
checking for output "Lavender\n"...
```

## :) correctly identifies sequences/6.txt

### Log

```
running python3 dna.py databases/large.csv sequences/6.txt...  
checking for output "Luna\n"...
```

## :) correctly identifies sequences/7.txt

### Log

```
running python3 dna.py databases/large.csv sequences/7.txt...  
checking for output "Ron\n"...
```

## :) correctly identifies sequences/8.txt

### Log

```
running python3 dna.py databases/large.csv sequences/8.txt...  
checking for output "Ginny\n"...
```

## :) correctly identifies sequences/9.txt

### Log

```
running python3 dna.py databases/large.csv sequences/9.txt...  
checking for output "Draco\n"...
```

## :) correctly identifies sequences/10.txt

### Log

```
running python3 dna.py databases/large.csv sequences/10.txt...  
checking for output "Albus\n"...
```

## :) correctly identifies sequences/11.txt

### Log

```
running python3 dna.py databases/large.csv sequences/11.txt...  
checking for output "Hermione\n"...
```

:) correctly identifies sequences/12.txt

**Log**

```
running python3 dna.py databases/large.csv sequences/12.txt...
checking for output "Lily\n"...
```

:) correctly identifies sequences/13.txt

**Log**

```
running python3 dna.py databases/large.csv sequences/13.txt...
checking for output "No match\n"...
```

:) correctly identifies sequences/14.txt

**Log**

```
running python3 dna.py databases/large.csv sequences/14.txt...
checking for output "Severus\n"...
```

:) correctly identifies sequences/15.txt

**Log**

```
running python3 dna.py databases/large.csv sequences/15.txt...
checking for output "Sirius\n"...
```

:) correctly identifies sequences/16.txt

**Log**

```
running python3 dna.py databases/large.csv sequences/16.txt...
checking for output "No match\n"...
```

:) correctly identifies sequences/17.txt

**Log**

```
running python3 dna.py databases/large.csv sequences/17.txt...
checking for output "Harry\n"...
```

:) correctly identifies sequences/18.txt

**Log**

```
running python3 dna.py databases/large.csv sequences/18.txt...
checking for output "No match\n"...
```

:) correctly identifies sequences/19.txt

**Log**

```
running python3 dna.py databases/large.csv sequences/19.txt...
checking for output "Fred\n"...
```

:) correctly identifies sequences/20.txt

**Log**

```
running python3 dna.py databases/large.csv sequences/20.txt...
checking for output "No match\n"...
```

:) correctly identifies sequences/dynamic\_1.txt

**Log**

```
running python3 generate_dynamic_test.py dynamic_1.csv dynamic_1.txt 1980 && python3
dna.py databases/dynamic_1.csv sequences/dynamic_1.txt...
checking for output "Philosopher\n"...
```

:) correctly identifies sequences/dynamic\_2.txt

**Log**

```
running python3 generate_dynamic_test.py dynamic_2.csv dynamic_2.txt 7 && python3
dna.py databases/dynamic_2.csv sequences/dynamic_2.txt...
checking for output "Philosopher\n"...
```

:) correctly identifies sequences/dynamic\_3.txt

**Log**

```
running python3 generate_dynamic_test.py dynamic_3.csv dynamic_3.txt 31 && python3
dna.py databases/dynamic_3.csv sequences/dynamic_3.txt...
checking for output "Philosopher\n"...
```

:) correctly identifies sequences/dynamic\_4.txt

**Log**

```
running python3 generate_dynamic_test.py dynamic_4.csv dynamic_4.txt 4 && python3  
dna.py databases/dynamic_4.csv sequences/dynamic_4.txt...  
checking for output "Philosopher\n"...
```

:) correctly identifies sequences/dynamic\_5.txt

**Log**

```
running python3 generate_dynamic_test.py dynamic_5.csv dynamic_5.txt 141 && python3  
dna.py databases/dynamic_5.csv sequences/dynamic_5.txt...  
checking for output "Philosopher\n"...
```

:) correctly identifies sequences/dynamic\_6.txt

**Log**

```
running python3 generate_dynamic_test.py dynamic_6.csv dynamic_6.txt 10 && python3  
dna.py databases/dynamic_6.csv sequences/dynamic_6.txt...  
checking for output "Philosopher\n"...
```

:) correctly identifies sequences/dynamic\_7.txt

**Log**

```
running python3 generate_dynamic_test.py dynamic_7.csv dynamic_7.txt 17 && python3  
dna.py databases/dynamic_7.csv sequences/dynamic_7.txt...  
checking for output "Philosopher\n"...
```

:) correctly identifies sequences/dynamic\_8.txt

**Log**

```
running python3 generate_dynamic_test.py dynamic_8.csv dynamic_8.txt 222 && python3  
dna.py databases/dynamic_8.csv sequences/dynamic_8.txt...  
checking for output "Philosopher\n"...
```