

Problem 1

(a) The count of row number

Code:

```
wc -l dummy.txt
```

Output:

```
4 dummy.txt
```

(b) The count of column number

Code:

```
head -n 1 dummy.txt | wc -w
```

Output:

```
4
```

(c) The count of total entries

Code:

```
wc -w dummy.txt
```

Output:

```
16 dummy.txt
```

(d) Display the element a_{11}

Code:

```
cut -d " " -f 1 dummy.txt | head -n 1
```

Output:

```
1
```

(e) Display the element a_{nn}

Code:

```
tail -n 1 dummy.txt | cut -f 'tail -n 1 dummy.txt | wc -w' -d ' '
```

Output:

```
16
```