

QUIZ 1

COMP9021 PRINCIPLES OF PROGRAMMING

```
$ python3 quiz_1.py
```

```
Enter two integers, the second one being 3 or more: 10 3
```

The chosen dimension is 3.

Also, I have this sequence of 3 digits for you:

```
[9, 0, 6]
```

Here is a first picture.

There are 2 spaces on each side of the star.

```
|-----|
|       |
|  *   |
|       |
|-----|
```

Here is a second picture.

Top and bottom borders are complementary, because:

0 is 9's "complement".

1 is 8's "complement".

2 is 7's "complement".

...

```
|9-0-6|
|     |
| --- |
|  *  |
| --- |
|     |
|0-9-3|
```

```
$ python3 quiz_1.py
```

```
Enter two integers, the second one being 3 or more: 20 4
```

The chosen dimension is 4.

Also, I have this sequence of 4 digits for you:

```
[2, 4, 1, 5]
```

Here is a first picture.

There are 3 spaces on each side of the star.

```
|-----|
|       |
|  *   |
|       |
|-----|
```

Here is a second picture.

Top and bottom borders are complementary, because:

0 is 9's "complement".

1 is 8's "complement".

2 is 7's "complement".

...

```
|2-4-1-5|
|       |
|  ---  |
|  |*|  |
|  ---  |
|       |
|7-5-8-4|
```

```
$ python3 quiz_1.py
```

```
Enter two integers, the second one being 3 or more: 30 6
```

```
The chosen dimension is 6.
```

```
Also, I have this sequence of 6 digits for you:
```

```
[8, 4, 9, 0, 9, 3]
```

```
Here is a first picture.
```

```
There are 5 spaces on each side of the star.
```

```
|-----|
|         |
|      *  |
|         |
|-----|
```

```
Here is a second picture.
```

```
Top and bottom borders are complementary, because:
```

```
0 is 9's "complement".
```

```
1 is 8's "complement".
```

```
2 is 7's "complement".
```

```
...
```

```
|8-4-9-0-9-3|
|             |
|      ---   |
|     |*|    |
|      ---   |
|             |
|1-5-0-9-0-6|
```

```
$ python3 quiz_1.py
```

```
Enter two integers, the second one being 3 or more: 40 10
```

The chosen dimension is 10.

Also, I have this sequence of 10 digits for you:

```
[7, 9, 8, 0, 3, 4, 3, 2, 5, 4]
```

Here is a first picture.

There are 9 spaces on each side of the star.

```
|-----|
|               |
|           *   |
|               |
|-----|
```

Here is a second picture.

Top and bottom borders are complementary, because:

0 is 9's "complement".

1 is 8's "complement".

2 is 7's "complement".

...

```
|7-9-8-0-3-4-3-2-5-4|
|               |
|           ---   |
|           |*|   |
|           ---   |
|               |
|2-0-1-9-6-5-6-7-4-5|
```

```
$ python3 quiz_1.py
```

```
Enter two integers, the second one being 3 or more: 50 15
```

The chosen dimension is 15.

Also, I have this sequence of 15 digits for you:

```
[7, 4, 5, 3, 7, 5, 1, 8, 5, 3, 8, 1, 2, 5, 1]
```

Here is a first picture.

There are 14 spaces on each side of the star.

```
|-----|
|               |
|               |
|               |
|               |
|-----|
```

Here is a second picture.

Top and bottom borders are complementary, because:

0 is 9's "complement".

1 is 8's "complement".

2 is 7's "complement".

...

```
|7-4-5-3-7-5-1-8-5-3-8-1-2-5-1|
|               |
|               |
|               |
|               |
|               |
|2-5-4-6-2-4-8-1-4-6-1-8-7-4-8|
```