

QUIZ 1

COMP9021 PRINCIPLES OF PROGRAMMING

For clarifications on expected outputs, see Ed or program stub.

```
$ python3 quiz_1.py
Enter three nonnegative integers: 0 10 5
```

```
The generated list L is:
[6, 6, 0, 4, 8]
```

```
The elements to keep in L_1 and L_2 are:
[0, 6]
```

```
Here is L_1:
[6, 6, 0]
```

```
Here is L_2:
[6, 0]
```

```
Here is L_3:
[6, 6]
```

```
$ python3 quiz_1.py
Enter three nonnegative integers: 1 15 6
```

```
The generated list L is:
[4, 2, 8, 3, 15, 14]
```

```
The elements to keep in L_1 and L_2 are:
[2, 4, 14]
```

```
Here is L_1:
[4, 2, 14]
```

```
Here is L_2:
[4, 2, 14]
```

```
Here is L_3:
[15, 14]
```

```
$ python3 quiz_1_sol.py
Enter three nonnegative integers: 10 5 8
```

```
The generated list L is:
[4, 0, 3, 3, 4, 0, 1, 3]
```

```
The elements to keep in L_1 and L_2 are:
[0, 3]
```

```
Here is L_1:
[0, 3, 3, 0, 3]
```

```
Here is L_2:
[0, 3]
```

```
Here is L_3:
[3, 3, 4]
```

```
$ python3 quiz_1_sol.py
Enter three nonnegative integers: 38 6 9
```

```
The generated list L is:
[5, 3, 3, 6, 5, 0, 0, 2, 5]
```

```
The elements to keep in L_1 and L_2 are:
[0, 3, 6]
```

```
Here is L_1:
[3, 3, 6, 0, 0]
```

```
Here is L_2:
[3, 6, 0]
```

```
Here is L_3:
[3, 3]
```

```
$ python3 quiz_1_sol.py
Enter three nonnegative integers: 100 7 10
```

```
The generated list L is:
[2, 7, 7, 2, 6, 5, 6, 1, 1, 1]
```

```
The elements to keep in L_1 and L_2 are:
[1, 5, 7]
```

```
Here is L_1:
[7, 7, 5, 1, 1, 1]
```

```
Here is L_2:
[7, 5, 1]
```

```
Here is L_3:
[6, 5, 6]
```

```
$ python3 quiz_1.py
Enter three nonnegative integers: 0 8 10
```

```
The generated list L is:
[6, 6, 0, 4, 8, 7, 6, 4, 7, 5]
```

```
The elements to keep in L_1 and L_2 are:
[0, 5, 7]
```

```
Here is L_1:
[0, 7, 7, 5]
```

```
Here is L_2:
[0, 7, 5]
```

```
Here is L_3:
[4, 8, 7, 6, 4, 7, 5]
```

```
$ python3 quiz_1.py
Enter three nonnegative integers: 5 10 15
```

```
The generated list L is:
[9, 4, 5, 10, 8, 0, 7, 3, 10, 0, 2, 1, 5, 7, 3]
```

```
The elements to keep in L_1 and L_2 are:
[0, 2, 4, 7, 9]
```

```
Here is L_1:
[9, 4, 0, 7, 0, 2, 7]
```

```
Here is L_2:
[9, 4, 0, 7, 2]
```

```
Here is L_3:
[0, 2, 1]
```

```
$ python3 quiz_1.py
Enter three nonnegative integers: 11 13 20
```

```
The generated list L is:
[7, 13, 8, 13, 12, 7, 7, 8, 13, 9, 3, 2, 12, 8, 7, 10, 9, 12, 2, 1]
```

```
The elements to keep in L_1 and L_2 are:
[1, 3, 8, 10, 13]
```

```
Here is L_1:
[13, 8, 13, 8, 13, 3, 8, 10, 1]
```

```
Here is L_2:
[13, 8, 3, 10, 1]
```

```
Here is L_3:
[8, 7, 10, 9]
```