

Assignment 2

Part 1

1. Following is the output of `apply()` function:

```
/Users/nikunjlad/envs/venv/bin/python /Users/nikunjlad/neu/courses/csye7374/homework/homework2/part1/list.py
Output: [[2, 3], [6], [11, 12], [21]]
Execution time: 0.01083517074584961

Process finished with exit code 0
```

2. Following is the output of the `map()` function:

```
/Users/nikunjlad/envs/venv/bin/python /Users/nikunjlad/neu/courses/csye7374/homework/homework2/part1/main.py
[0, 1, 9, 36, 100]
[0, 2, 8, 24]
[1.999861375368307, 1.7098842124667966, 2.4659894635078476]

Process finished with exit code 0
```

Part 2

Num of Processors	Using Normal procedure	Using Pool()	Using Process()
2	20.055 secs	11.374 secs	4.498 secs
4	20.055 secs	7.654 secs	4.498 secs
8	20.055 secs	4.146 secs	4.498 secs



Part 3

Num of processors	1	2	4	8	16
Execution Time	87.9 secs	82.5 secs	78.8 secs	77.2 secs	75.8 secs

