**Assignment 2**

**Part 1**

1. A screenshot of a cell phone

   Description automatically generatedFollowing is the output of apply() function:
2. A screenshot of a cell phone

   Description automatically generatedFollowing is the output of the map() function:

**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 |

A picture containing screenshot

Description automatically generated

**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 |

A screenshot of a cell phone

Description automatically generated