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In [4]: import numpy as np
np.random.seed(10)
data = np.random.randint(0, 10, size=25)
print(data)

[9 4 0 1 9 0 1 8 9 0 8 6 4 3 0 4 6 8 1 8 4 1 3 6 5]
```

```
In [5]: only_even = [i for i in data if (i % 2) == 0]
print(only_even)

[4, 0, 0, 8, 0, 8, 6, 4, 0, 4, 6, 8, 8, 4, 6]
```

```
In [7]: data_sq = [i ** 2 for i in data]
print(data_sq)

[81, 16, 0, 1, 81, 0, 1, 64, 81, 0, 64, 36, 16, 9, 0, 16, 36, 64, 1, 6
4, 16, 1, 9, 36, 25]
```

```
In [9]: combo = [i ** 2 for i in [j * 2 for j in data]]
print(combo)

[324, 64, 0, 4, 324, 0, 4, 256, 324, 0, 256, 144, 64, 36, 0, 64, 144, 2
56, 4, 256, 64, 4, 36, 144, 100]
```

```
In [11]: even_sq = [i ** 2 for i in data if (i % 2) == 0]
print(even_sq)

[16, 0, 0, 64, 0, 64, 36, 16, 0, 16, 36, 64, 64, 16, 36]
```

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In [ ]:
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