**Comprehension in Python:-**

List Comprehensions provide an elegant way to create new lists.

A screenshot of a computer code

Description automatically generated

Output:-

[0, 1, 2, 3, 4, 5, 6, 7, 8, 9]

[0, 1, 4, 9, 16, 25]

A screenshot of a computer code

Description automatically generated

Output:-

{0: 0, 1: 1, 2: 8, 3: 27, 4: 64, 5: 125, 6: 216, 7: 343, 8: 512, 9: 729}

{'Gujarat': 'Gandhinagar', 'Maharashtra': 'Mumbai', 'Rajasthan': 'Jaipur'}

A screenshot of a math problem

Description automatically generated

Output:-

{2, 4, 6, 8, 10}

{8, 2, 4, 6}

A white background with black text

Description automatically generated

Output:-

<generator object <genexpr> at 0x7fa3ec5839f0>

2 2 4 4 4 6 6

A close-up of a computer code

Description automatically generated

Output:-

[[0, 1, 2], [0, 1, 2], [0, 1, 2]]

A close-up of a list

Description automatically generated

Output:-

[1, 3, 5, 7, 9]