*Image recognition for a batch of images consisting of* SanFrancisco.jpg *and*  WarsawByTytusBrzozowski.jpg

**The output of the recognition results after running the file “*Image recognition.py”* are-**

[[('n03220513', 'dome', 0.23202819),

('n09428293', 'seashore', 0.22108361),

('n02894605', 'breakwater', 0.13604584),

('n04486054', 'triumphal\_arch', 0.042065214),

('n03788195', 'mosque', 0.03345904)],

[('n03877845', 'palace', 0.21434495),

('n03447447', 'gondola', 0.20708719),

('n03874293', 'paddlewheel', 0.07679843),

('n03461385', 'grocery\_store', 0.0703801),

('n03216828', 'dock', 0.044145305)]]

**Explanation-**

1. For SanFrancisco.jpg:

[('n03220513', 'dome', 0.23202819), ('n09428293', 'seashore', 0.22108361), ('n02894605', 'breakwater', 0.13604584), ('n04486054', 'triumphal\_arch', 0.042065214), ('n03788195', 'mosque', 0.03345904)]

*This output shows that the probabilities the image is recognized as-*

1. Dome- 0.23202819, i.e., 23%
2. Seashore- 0.22108361, i.e., 22%
3. Breakwater- 0.13604584, i.e., 13%
4. Triumphal arc- 0.042065214, i.e., 4%
5. Mosque- 0.03345904, i.e., 3%

*This implies that the most probable result is that the image is a dome, as it has the highest probability.*

1. For WarsawByTytusBrzozowski.jpg:

[('n03877845', 'palace', 0.21434495), ('n03447447', 'gondola', 0.20708719),

('n03874293', 'paddlewheel', 0.07679843), ('n03461385', 'grocery\_store', 0.0703801),

('n03216828', 'dock', 0.044145305)]

*This output shows that the probabilities the image is recognized as-*

1. Palace- 0.21434495, i.e., 21%
2. Gondola- 0.20708719, i.e., 20%
3. Paddlewheel- 0.07679843, i.e., 7%
4. Grocery store- 0.0703801, i.e., 7%
5. Dock- 0.044145305, i.e., 4%

*This implies that the most probable result is that the image is a palace, as it has the highest probability.*