**Sample Input / Output**

**All the tasks are performed in small dataset given in Canvas.**

**Color Moments:**

**Task1 :**

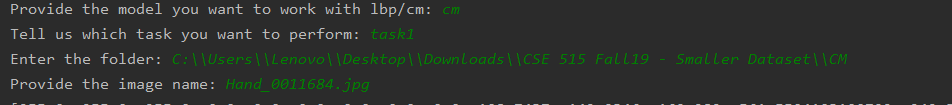
**Input**:

Provide the model you want to work with lbp/cm: cm

Tell us which task you want to perform: task1

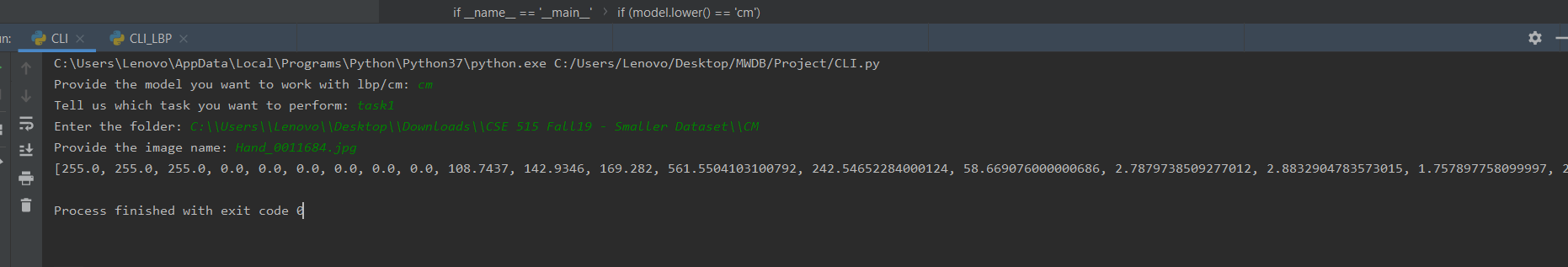
Enter the folder: C:\\Users\\Lenovo\\Desktop\\Downloads\\CSE 515 Fall19 - Smaller Dataset\\CM

Provide the image name: Hand\_0011684.jpg



**output:**

**[255.0, 255.0, 255.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 108.7437, 142.9346, 169.282, 561.5504103100792, 242.54652284000124, 58.669076000000686, 2.7879738509277012, 2.8832904783573015, 1.757897758099997, 255.0, 255.0, 255.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 255.0, 255.0, 255.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 255.0, 255.0, 255.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 142.0997, 168.8684, 195.646, 5276.513159909848, 3500.097681439863, 1769.7682839999889, 0.5169033031980457, 0.18071952983052808, -0.1309981917970265, 84.296, 124.7143, 161.5853, 626.3865840000038, 814.2710755099974, 663.8757239100017, -1.5259058468806113, -2.0046153458423377, -1.8765663824683247, 90.7842, 125.7958, 166.648, 662.822630359997, 1004.588102359991, 899.0300959999876, -1.9677012018821092, -2.5596613188636637, -2.593493047032178, 82.5503, 120.8709, 161.12, 782.4938699099994, 552.5732331899995, 302.54659999999876, 3.0596054035136606, 1.8761039742645291, 0.8029275883662184, 207.937, 215.8582, 222.3489, 3019.1024310002545, 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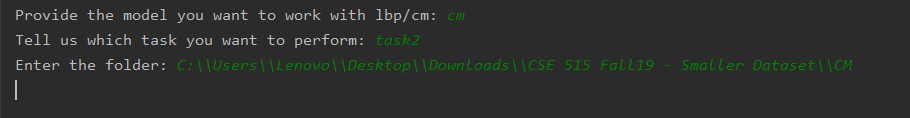
**Task2 :**

**input:**

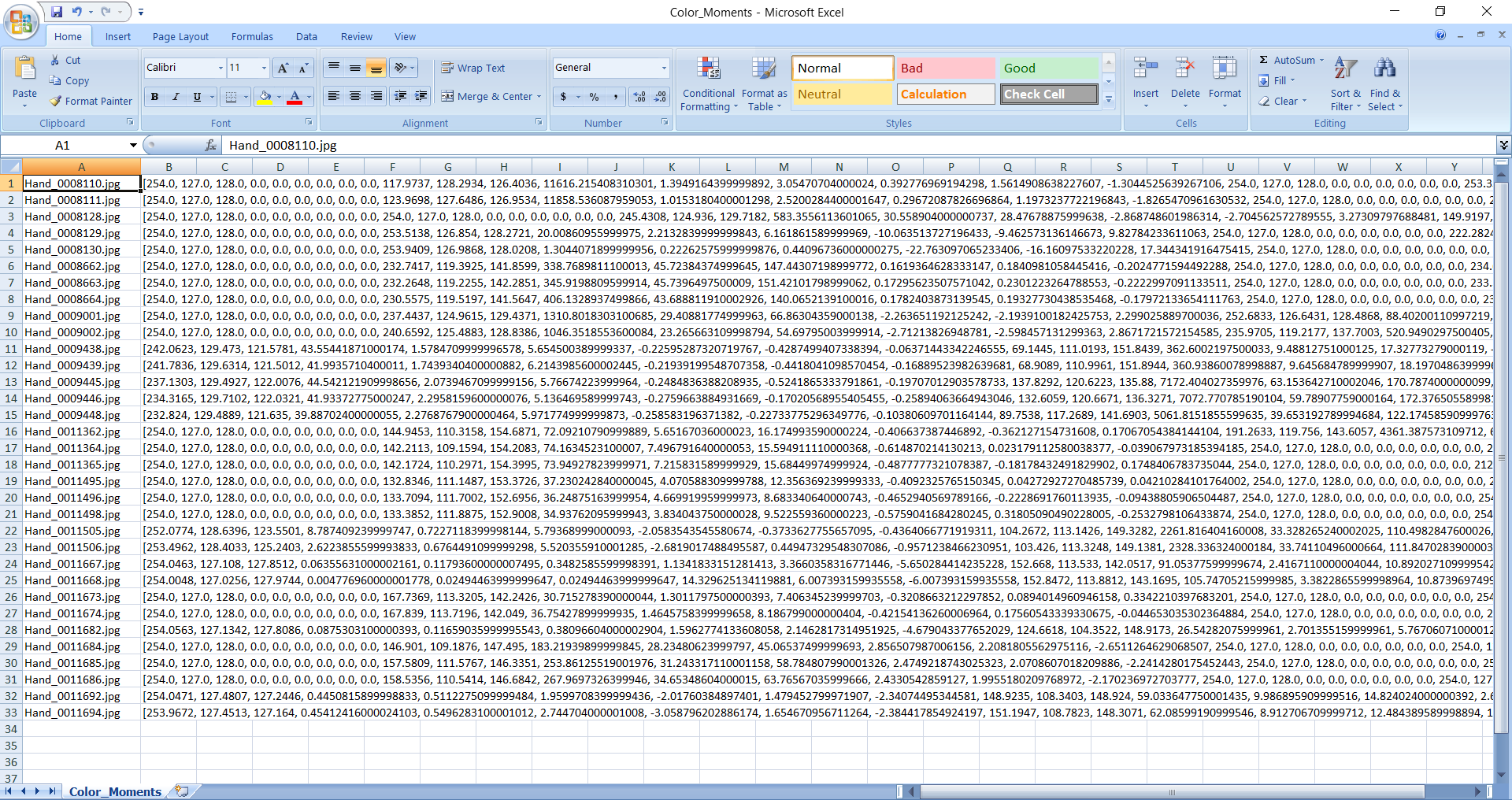
Provide the model you want to work with lbp/cm: cm

Tell us which task you want to perform: task2

Enter the folder: C:\\Users\\Lenovo\\Desktop\\Downloads\\CSE 515 Fall19 - Smaller Dataset\\CM



**Output:**

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**Task3:**

**Input:**

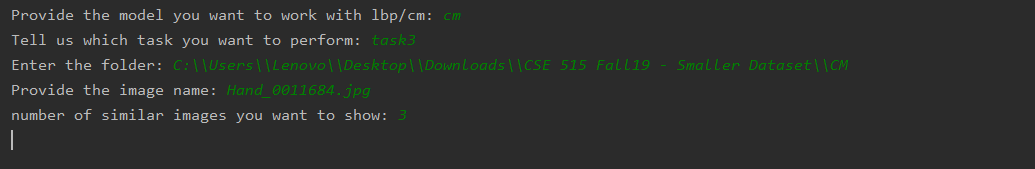
Provide the model you want to work with lbp/cm: cm

Tell us which task you want to perform: task3

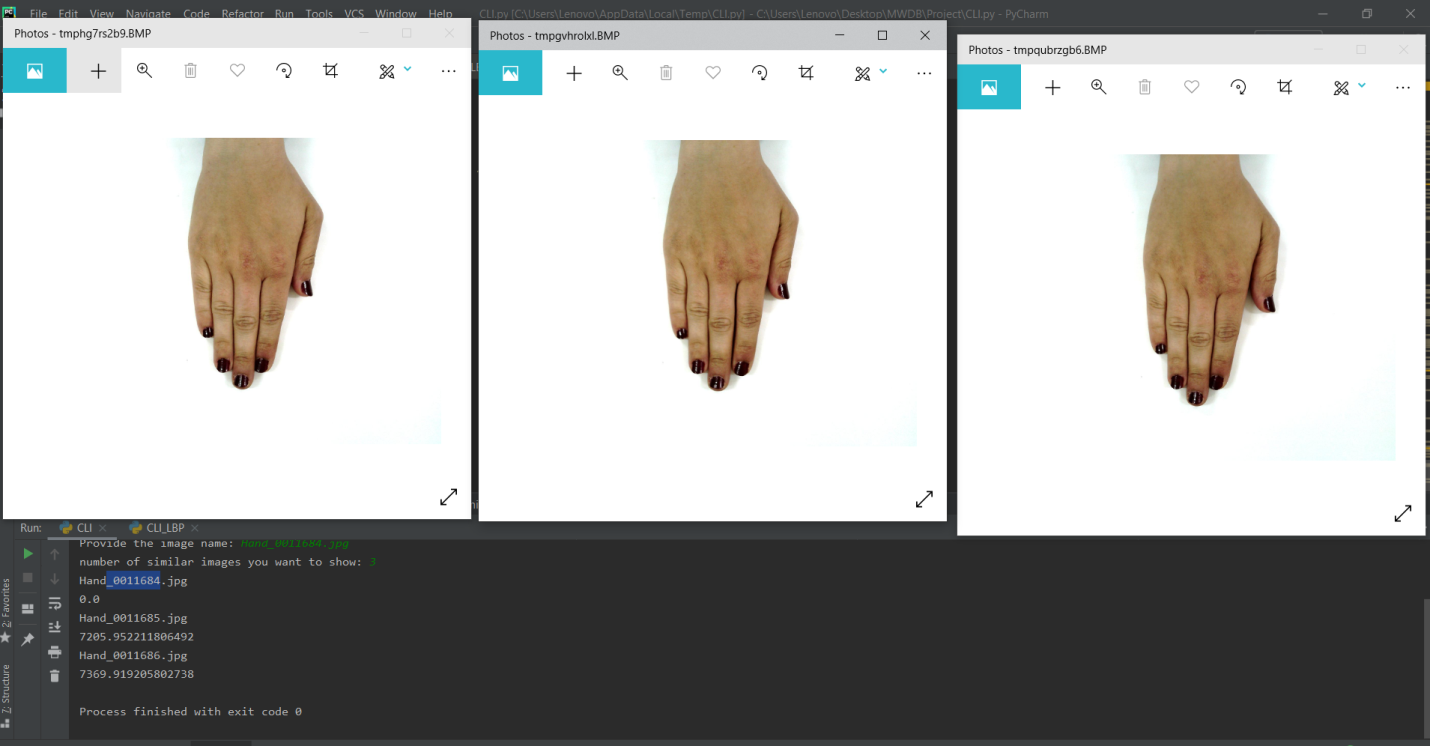
Enter the folder: C:\\Users\\Lenovo\\Desktop\\Downloads\\CSE 515 Fall19 - Smaller Dataset\\LBP

Provide the image name: Hand\_0011684.jpg

number of similar images you want to show: 3

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**Output:**

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**Local Binary Patterns:**

**Task1 :**

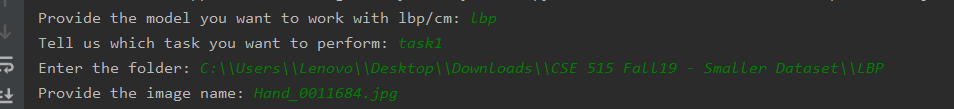
**Input**:

Provide the model you want to work with lbp/cm: lbp

Tell us which task you want to perform: task1

Enter the folder: C:\\Users\\Lenovo\\Desktop\\Downloads\\CSE 515 Fall19 - Smaller Dataset\\LBP

Provide the image name: Hand\_0011684.jpg



**Output:**

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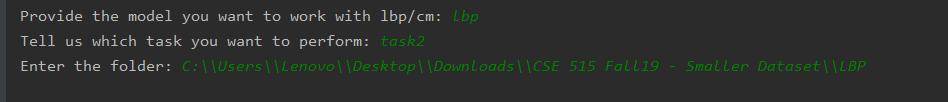
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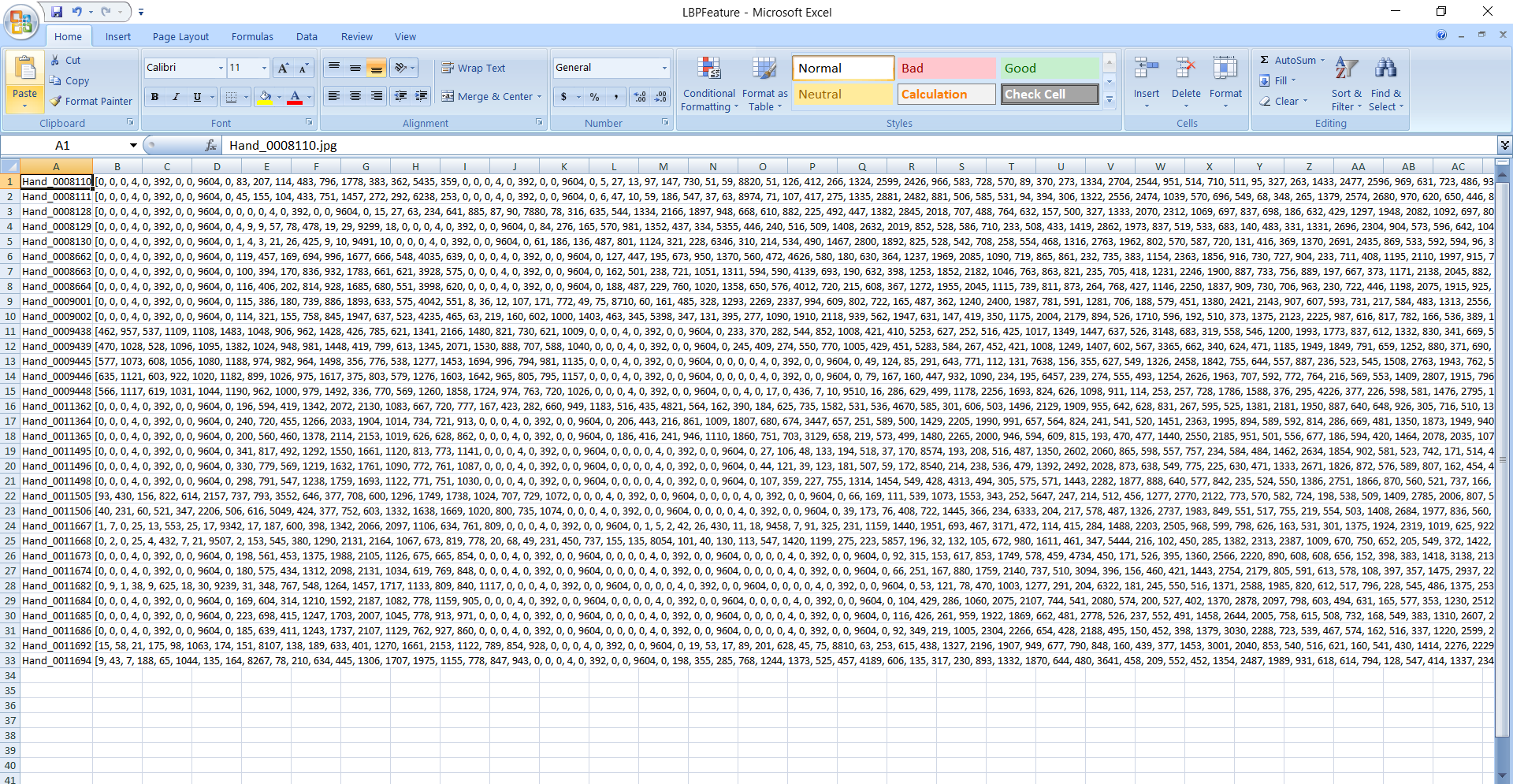
Provide the model you want to work with lbp/cm: lbp

Tell us which task you want to perform: task2

Enter the folder: C:\\Users\\Lenovo\\Desktop\\Downloads\\CSE 515 Fall19 - Smaller Dataset\\LBP



**Output:**

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**Task3:**

**Input:**

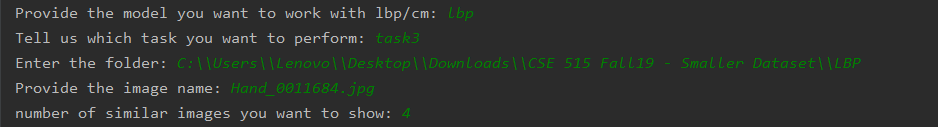
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Tell us which task you want to perform: task3

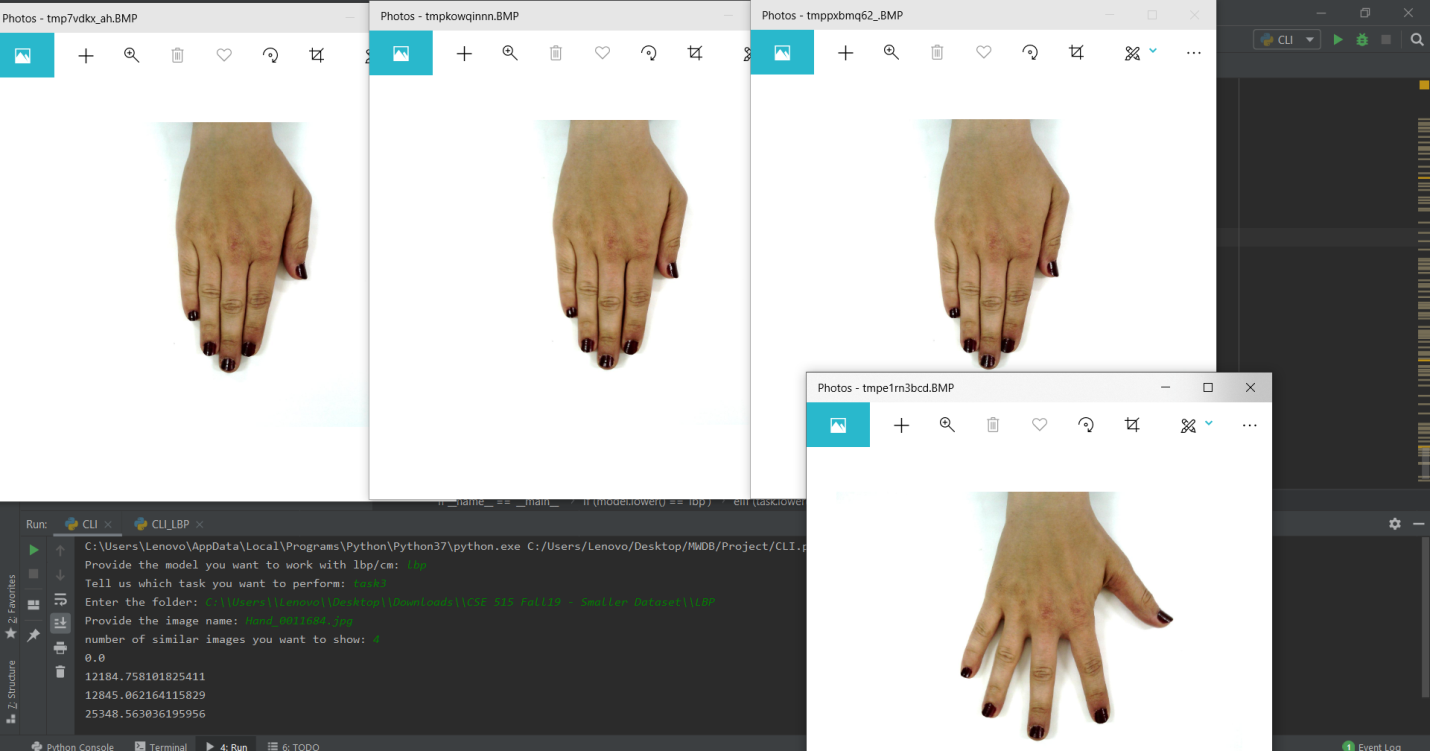
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Provide the image name: Hand\_0011684.jpg

number of similar images you want to show: 4

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**Output:**

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