**Q1 : Khảo sát tập Train với n = 1, 500, 5000, 10000, 59000**

function showrandomTrainImage\_v2(n)

imgTrainAll = loadMNISTImages('train-images.idx3-ubyte');

lblTrainAll = loadMNISTLabels('train-labels.idx1-ubyte')

nNumber = n

figure;

img = imgTrainAll(:,nNumber);

img2D = reshape(img,28,28);

strLabel = num2str(lblTrainAll(nNumber));

strLabel = [strLabel,'(',num2str(nNumber),')'] ;

imshow(img2D);

title(strLabel)

end

Kết Quả :

|  |  |
| --- | --- |
| 1 | 5 |
| 500 | 8 |
| 5000 | 2 |
| 10000 | 7 |
| 59000 | 4 |

**Q2 : Khảo sát tập Test với n = 1, 500, 5000, 9000**

function showrandomTestImage\_v2(n)

imgTestAll = loadMNISTImages('t10k-images.idx3-ubyte')

lblTestAll = loadMNISTLabels('t10k-labels.idx1-ubyte');

nNumber = n;

figure;

img = imgTestAll(:,nNumber);

img2D = reshape(img,28,28);

strLabel = num2str(lblTestAll(nNumber));

strLabel = [strLabel,'(',num2str(nNumber),')'] ;

imshow(img2D);

title(strLabel)

end

Kết Quả :

|  |  |
| --- | --- |
| 1 | 7 |
| 500 | 6 |
| 5000 | 0 |
| 9000 | 0 |