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|  | **Activities** |
| 1. | Implement and demonstrate the Data Processing for finding the most specific hypothesis based on a given set of training data samples. Read the training data from a .CSV file. |
| 2. | For a given set of training data examples stored in a .CSV file, implement and demonstrate the Data Visualization to output a description of the set of all hypotheses consistent with the training examples. |
| 3. | Assuming a set of data that need to be specifically used in the dataset applies the Data Wrangling by reading the training data from a .csv file. |
| 4. | Implement the data Processing, Data visualization and Data wrangling on any real-world problem i.e., Covid \_19 dataset to view the active cases on the world Map using Chloropleth and Also Plot the cases. |
| 5. | Implement the Linear regression on the salary Prediction based on a given set of training data samples. Read the training data from a .CSV file. |
| 6. | Implement the KNN IRIS Image Classification based on a given set of training data samples. Read the training data from a .CSV file. |
| 7. | Implement the web scraping on Amazon website or any shopping site by importing the requests and the Beautiful Soup. |
| 8. | Implement the Image processing basics: Converting Image to RGB to BGR and to Grayscale, create a White / Black Color Image, how to draw shapes on image. |
| 9. | Implement the detection of Eye or face or Smile from the Image. |
| 10. | Apply the sentimental Analysis using Natural language Processing on Live Twitter data. |

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| **Course Code** | **Course Name** | **Course Type** | **Cd** | **L** | **T** | **P** | **Marks** | | |
| **Sessional** | **Final Exam** | **Total** |
| COM-611 | Artificial Intelligence and  Machine Learning Lab | PCC | 2 | 0 | 0 | 4 | 50 | 0 | 50 |

# List of Activities for Artificial Intelligence and Machine Learning Lab