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|  | **List of Programs** |
| 1 | Visualize the n-dimensional data using 3D surface plots.  Write a program to implement the Best First Search (BFS) algorithm. |
| 2 | Visualize the n-dimensional data using contour plots.  Write a program to implement the A\* algorithm |
| 3 | Visualize the n-dimensional data using heat-map.  Write a program to implement Min-Max algorithm. |
| 4 | Visualize the n-dimensional data using Box-plot.  Write a program to implement Alpha-beta pruning algorithm. |
| 5 | Write a program to develop the Naive Bayes classifier on Titanic dataset. |
| 6 | Write a program to develop the KNN classifier with Euclidean distance and Manhattan distance for the k values as 3 based on split up of training and testing dataset as 70-30 on Glass dataset. |
| 7 | Write a program to develop a decision tree classifier based on weather forecasting dataset. |
| 8 | Write a program to perform unsupervised K-means clustering techniques on Iris dataset. |
| 9 | Write a program to perform agglomerative clustering based on single-linkage, complete-linkage criteria. |
| 10 | Write a program to develop a decision tree classifier based on weather forecasting dataset. |
| 11 | Write a program to develop Principal Component Analysis (PCA) and Linear Discriminant Analysis (LDA) algorithms. |
| 12 | Write a Program to develop simple single layer perceptron to implement AND, OR Boolean functions. |