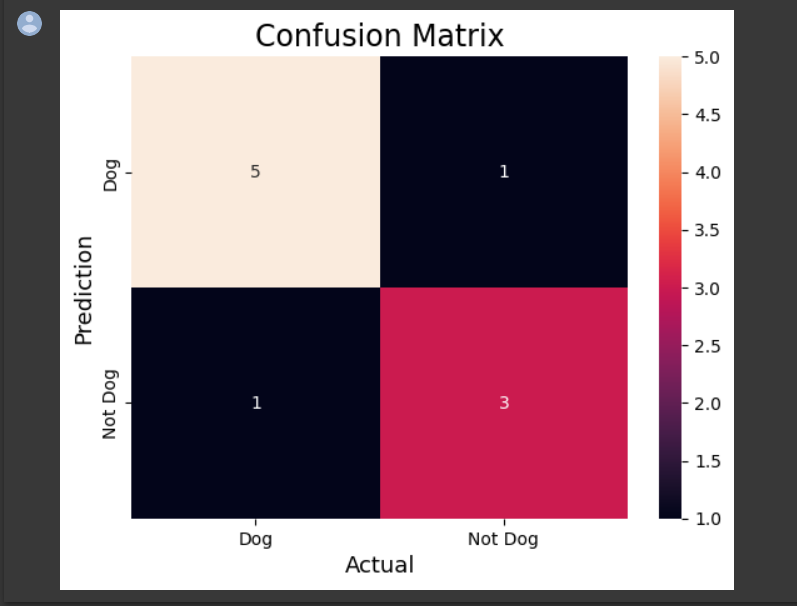
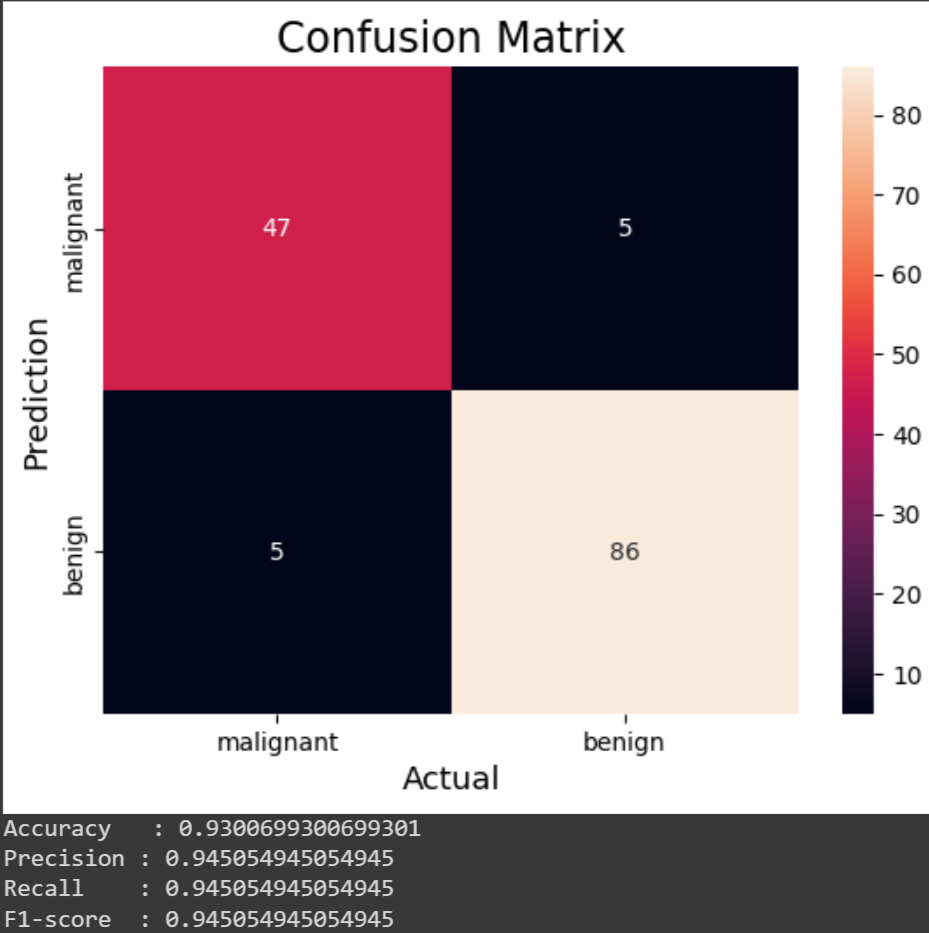
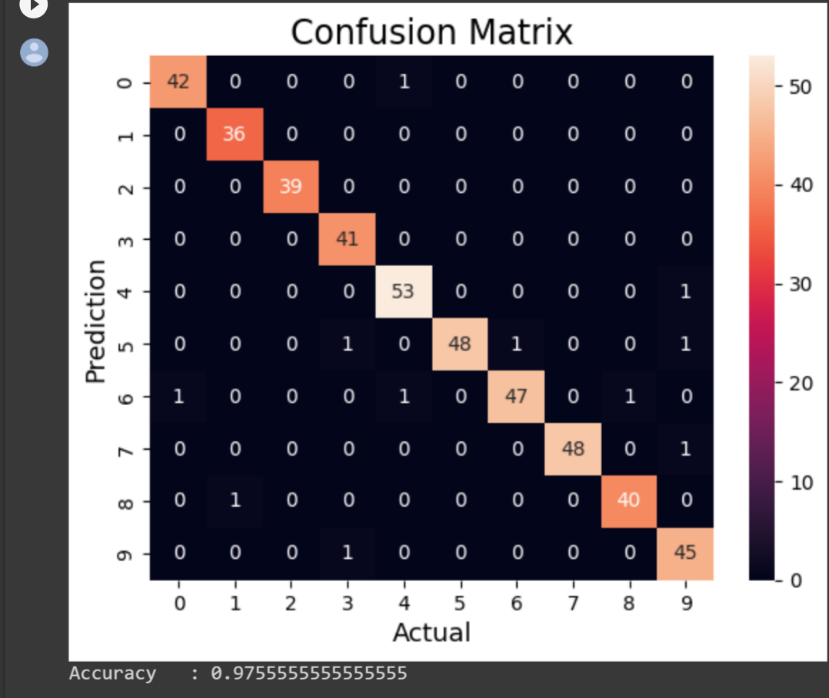
**Experiment 1 : Confusion Matrix Using Python**



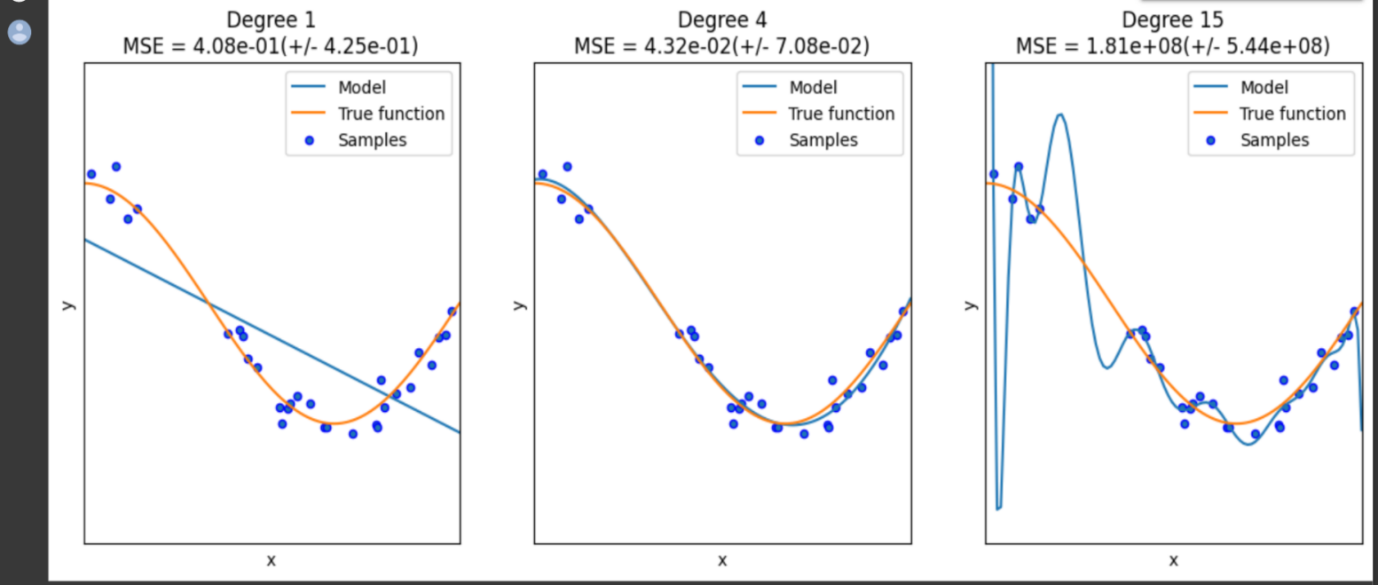
**Experiment 2 : 2 Class Confusion Matrix**

****

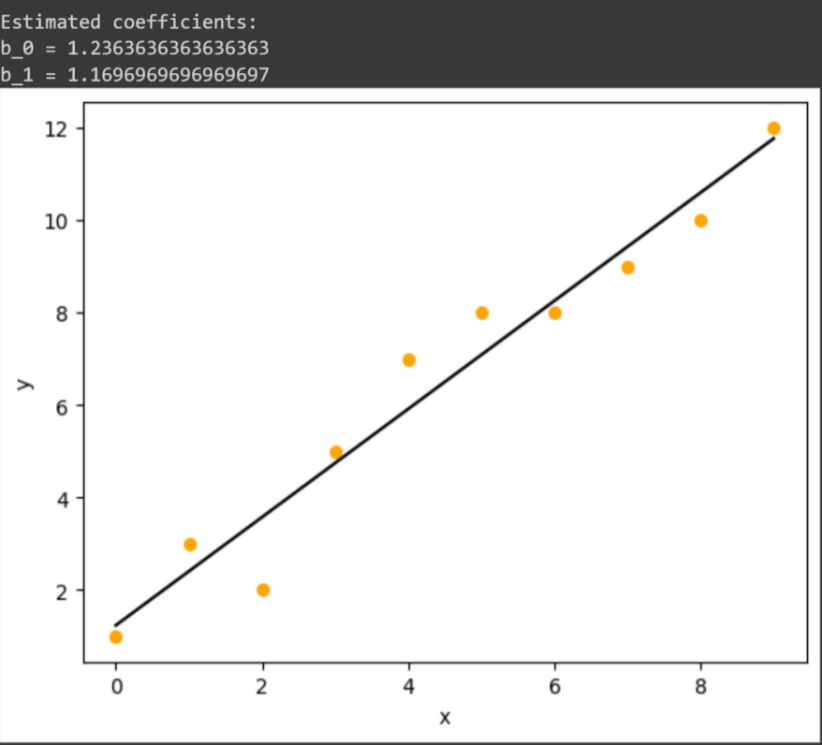
**Experiment 3 : Verify the performance of Multi Class Confusion Matrix using choosen Dataset**

****

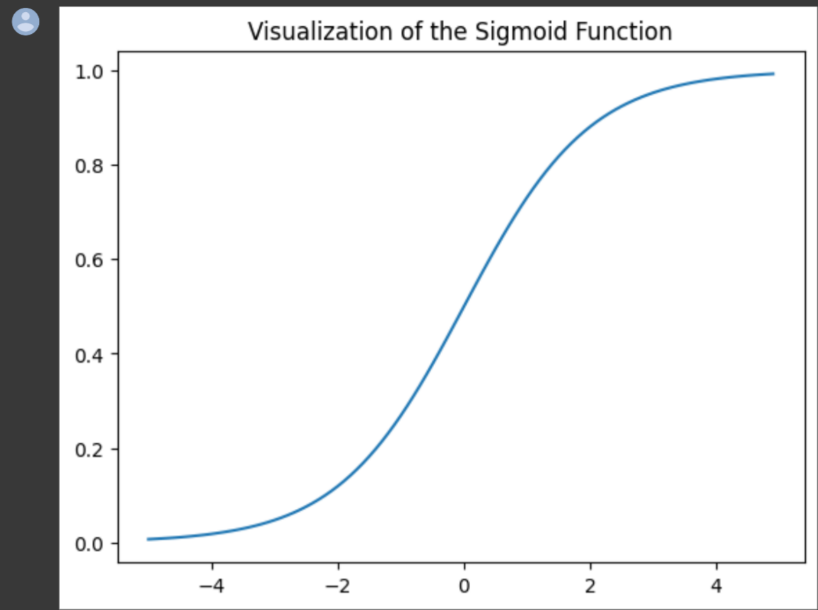
**Experiment 4 : Performance of Over Fitting using Chosen Dataset**

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**Experiment 5 : Performance of Linear Regression**

****

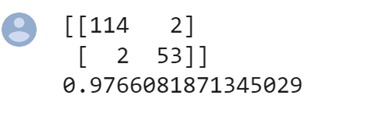
**Experiment 6 : Performance of Logistic Regression**

****

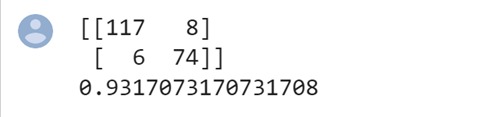
**Experiment 7 : Accuracy using KNN Algorithm**



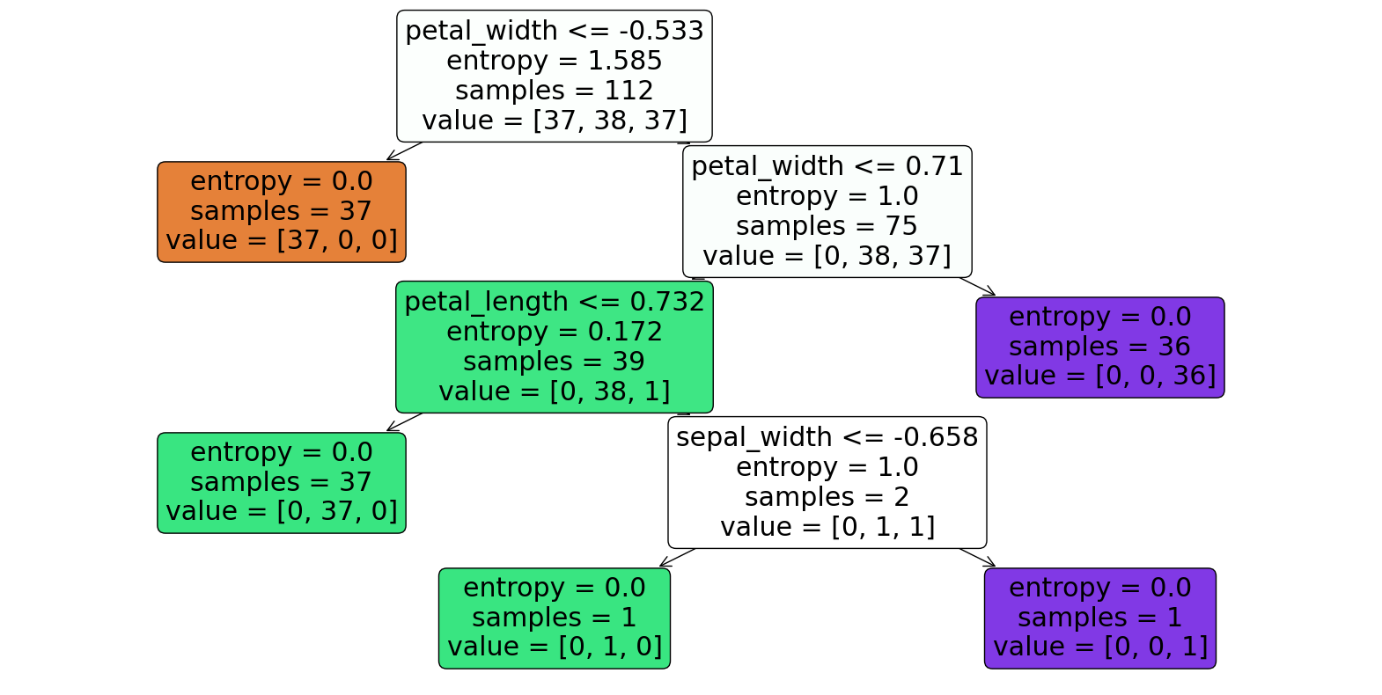
**Experiment 8 : Accuracy using Naïve Bayes Algorithm**



**Experiment 9 : Accuracy using Logistic Regression**

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**Experiment 10 : Accuracy using Decision Tree**

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0.8947368421052632

[[13 0 0]

[ 0 11 1]

[ 0 3 10]]

**Experiment 11 : Accuracy using SVM**

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**Experiment 12 : Accuracy using Random Forest**

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**Experiment 13 : Gradient Descent Using Actual Data**







**Experiment 14 : Gradient Descent Using Modified Data**







**Experiment 15 : Verify performance of image processing using chosen database**



**Experiment 16 : Verify performance of image processing using Water Shed Database**

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**Experiment 17 : Neural Network Analysis using TANH Activation Function**

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**Experiment 18 : Neural Network Analysis using SIGMOID Activation Function**

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**Experiment 19 : Neural Network Analysis using LINEAR Activation Function**

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**Experiment 20 : Neural Network using ReLU Activation Function**



**Experiment 21 : Demonstration of Linear Separability**

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