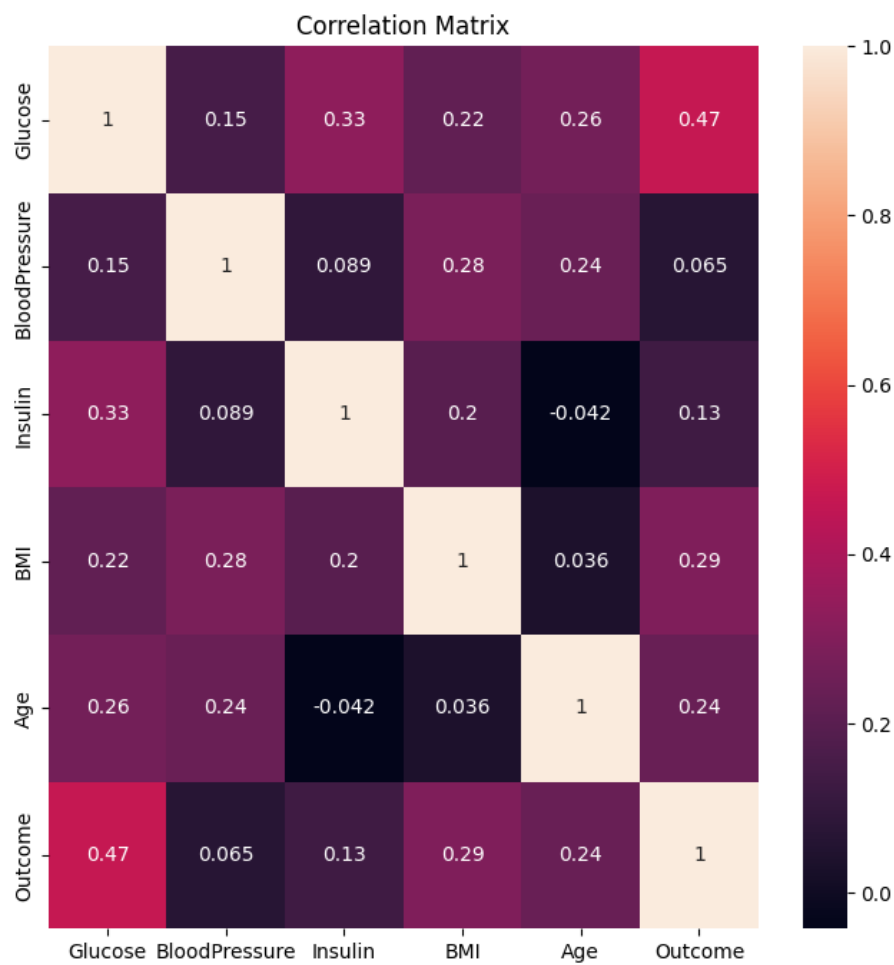


## REPORT(MID\_LAB)

### a. Experiment 1: Tabulation of dataset

Glucose	BloodPressure	Insulin	BMI	Age	Outcome
148	72	0	33.6	50	1
85	66	0	26.6	31	0
183	64	0	23.3	32	1
89	66	94	28.1	21	0
137	40	168	43.1	33	1
116	74	0	25.6	30	0
78	50	88	31	26	1
115	0	0	35.3	29	0
197	70	543	30.5	53	1
125	96	0	0	54	1

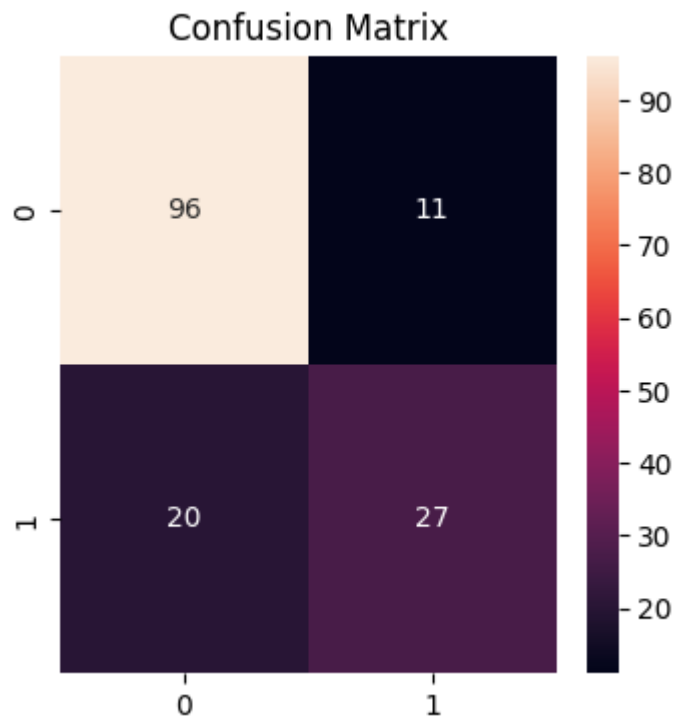
### b. Experiment 2: Correlation coefficients and your observation.



here we can see that the Correlation of glucose to outcome is very significant

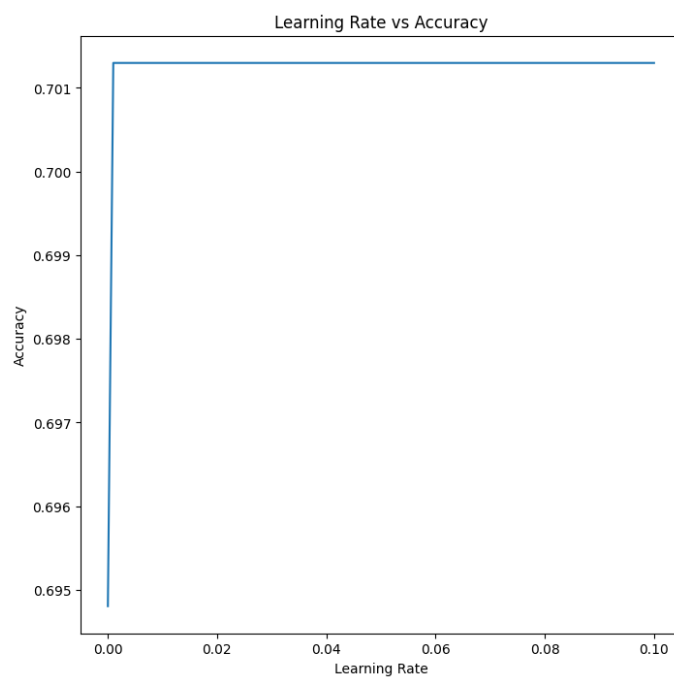
### c. Accuracy and Confusion Matrix

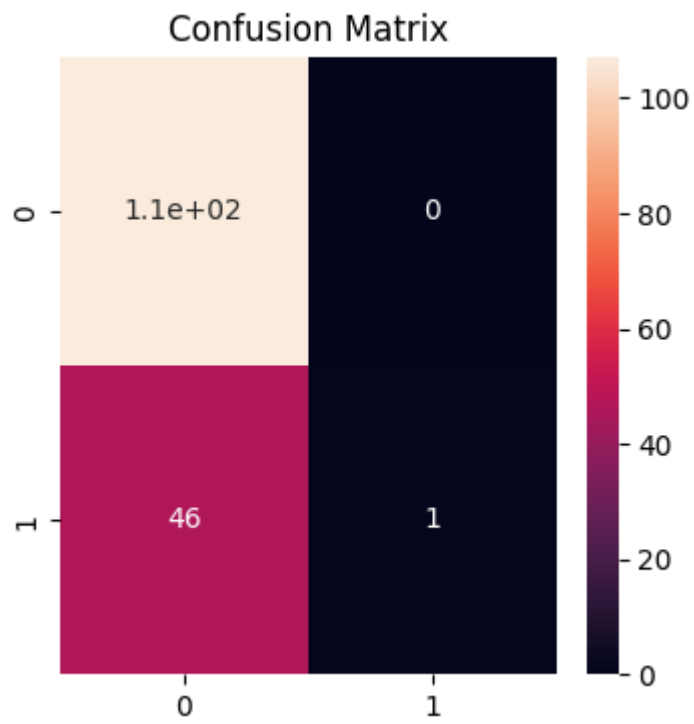
Percent accuracy: 80.0%



### d. Optimal learning rate. Accuracy and Confusion matrix (for the optimal learning rate).

Best learning rate: 0.001





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