Read the given "diabetes.csv" into a pandas data frame. Write a menu-driven program to calculate and print the following,

1. Find the probability of diabetes given the dataset. Also, calculate the probability of diabetes given

a) Age above 50

b) Age between 40 and 50

c) Age between 30 and 40

d) Age less than 30

2. Find the probability of diabetes with a glucose level of more than 120 + blood pressure of more than 90 + skin thickness of more than 30 + insulin above 150 + BMI above 25.

Note: In the outcome column given in the dataset, 1 means that diabetes is present, and 0 means the absence of diabetes. Also provide the visualization of output.