EXPNO: 6

DATE: 03/05/2023

## NAIVE BAYES ALBORITHM

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n python and to display the result.

## Algorithm:

- 1. Import the dataset using (SV. reader () and append it to the list
- 2. Calculate the no. of attributes in the dataset and store 94 in a variable.
- 3. Recieve the query instance from the user or institutize it within the program as a list.
- 4. Count the total no. of positive and negative instances & store 9+ m seperate variables.
- 5. Calculate the overall posibilities (both the l-ve) of the dataset.
- 6. Create two seperate variables to store the final Naive

  Bayes probability. Initialize them with the overall

  probability

  NB-pos to overall-pos

  NB-neg to overall-neg
- 7. For every attribute value of the given query instance, calculate the probability using Bayes theorem.

NB-pos ← NB-pos \* Value
NB-reg ← NB-reg \* Value

8. Display the result.