**Problem definition:** Identify the tumorous images from the input images

**Algorithm Used** : Support vector machine

**Description of Algorithm :** Support Vector Machine” (SVM) is a supervised machine learning algorithm that can be used for both classification or regression challenges. However, it is mostly used in classification problems.

**Steps followed for implementing:**

1. Importing Libraries
2. Exploration of data
3. Data analysis & Visualization
4. Split data
5. Model training
6. Evaluation
7. prediction

**Data Set Used for Testing System:** Data set containing 1222 image samples(40 MB)

**Model Efficiency: .99 or 99%**

**Assumptions:**

1.The sample data contains images which are not corrupted

2.SVM is used but neural networks can also be used to solve the image classification problem