**Types of Tumor**

**Benign Tumor:**

* Non-cancerous
* Capsulated
* Non-invasive
* Slow growing
* Do not metastasize (spread) to other parts of the body
* Cells are normal

**Malignant Tumor:**

* Cancerous
* Non-capsulated
* Fast Growing
* Metastasize (spread) to the other parts of the body
* Cells have large, dark nucleus may have abnormal shape

**Fine needle aspiration** is a type of biopsy procedure. In fine needle aspiration, a thin needle is inserted into an area of abnormal- appearing tissue or body fluid. As with other types of biopsies, the sample collected during fine needle aspiration can help make a diagnosis or rule out conditions such as cancer.

**Work Flow**

1. Data
2. Data Pre Processing
3. Train Test split
4. Logistic Regression Model
5. Trained Logistic Regression Model (Benign or Malignant Prediction)