**Task 2: Feature Selection Methods and High Accuracy ML Model**

* **Libraries Used**: pandas, numpy, sklearn
* **Summary**: In this task, we applied three feature selection techniques to the breast cancer dataset and trained a Random Forest classifier to achieve high accuracy:
* **SelectKBest with ANOVA F-value**: Selected top features based on ANOVA F-value.
* **Recursive Feature Elimination (RFE)**: Used RFE with a Random Forest model to select top features.
* **Embedded Method**: Used feature importances from a Random Forest model to select top features.
* We achieved above 90% accuracy with each method, demonstrating the importance of feature selection in building high-accuracy machine learning models.
* **Key Steps**:

1. **Import Libraries**: Imported pandas, numpy, and sklearn modules.
2. **Load and Preprocess Data**: Loaded the dataset, handled missing values, encoded categorical variables, and scaled the data.
3. **Apply Feature Selection**: Applied SelectKBest, RFE, and Embedded Method for feature selection.
4. **Train and Evaluate Model**: Trained a Random Forest classifier using selected features and evaluated its accuracy.