**Titanic Survival Predictor**

You are a data scientist working for a historical research organization. Your team is tasked with analyzing the passenger data from the Titanic to understand the factors that influenced survival during the tragic event. By building a predictive model using perceptron, you aim to uncover insights that could help in understanding the social dynamics and safety protocols of that era.

**Dataset Explanation**

You have access to a dataset containing detailed information about the passengers aboard the Titanic. Here are the key columns and their meanings:

* **pclass**: Passenger class (1 = 1st class, 2 = 2nd class, 3 = 3rd class)
* **survived**: Survival status (0 = No, 1 = Yes)
* **name**: Name of the passenger
* **sex**: Gender of the passenger
* **age**: Age of the passenger
* **sibsp**: Number of siblings or spouses aboard the Titanic
* **parch**: Number of parents or children aboard the Titanic
* **ticket**: Ticket number
* **fare**: Passenger fare
* **cabin**: Cabin number
* **embarked**: Port of embarkation (C = Cherbourg, Q = Queenstown, S = Southampton)
* **boat**: Lifeboat number (if they survived and were assigned one)
* **body**: Body number (if they did not survive and their body was recovered)
* **home.dest**: Home/destination

**Problem Statement**

**Assessment Question**: Using the dataset provided, develop a predictive model to estimate the survival status of passengers aboard the Titanic.