Tasks

Steps	Details
1. Load Resources	● Locate and load the provided dataset into your Python environment ● If necessary, include any authentication construct
2. Data processing	● Clean the raw data and handle missing values ● Perform any useful feature engineering or data transformations ● Make reference to Binance API documentation and state any assumptions you make of the dataset
3. Signal Generation	● Utilise your preprocessed data to generate trading signals ● Implement relevant technical indicators e.g. moving average, relative strength index, or apply machine learning algorithms e.g. using sckit-learn library, to identify buy/sell signals ● If suitable, train a model to predict and automate trading decisions ● Include functions to execute and manage positions
4. Performance Evaluation	● Evaluate the performance of your trading strategy using appropriate metrics e.g. win/loss ratio, max drawdown etc. ● Include functions that will process possible live trade outcome data points to identify strengths and weaknesses of your strategy ● Use the metrics to conduct model optimisation

Where appropriate, provide a summary of your findings, insights and share limitations identified.