Introduction:

Reddit is a popular social media platform where users can share content, discuss topics, and vote on posts. It is a valuable source of data for researchers and businesses alike. Web scraping is a technique for extracting data from websites. It can be used to collect data from Reddit for a variety of purposes, such as market research, sentiment analysis, and trend analysis.

Sentiment analysis is the process of identifying the emotional tone of text. It can be used to understand how people feel about a product, service, or topic. Reddit is a rich source of text data that can be used for sentiment analysis. By scraping Reddit and analyzing the sentiment of the text, researchers can gain insights into public opinion on a variety of topics.

This paper will discuss the use of web scraping and sentiment analysis to collect and analyze data from Reddit. It will provide an overview of the techniques involved, as well as examples of how they can be used. The paper will conclude with a discussion of the challenges and limitations of using these techniques.

Objective:

Using sentiment analysis, one may detect whether a text has a neutral, positive, or either attitude. It is a type of text analysis that makes use of machine learning and natural language processing (NLP). It is also referred to as emotion artificial intelligence (AI) or opinion mining.

The main objective of this project is to analyse the hidden sentiment in any type of comment on social media. Sentiments will be grouped as positive, negative, and neutral. Each negative comment will be rated to check how offensive or irrelevant they are. Based on this rating we can decide if the comment can still be posted or to be removed from the social media platform. This analysis would help the platform retain their sincere customers, businesses to keep up with their profits, etc., irrespective of the negative comments being posted.