**1)Explain why selenium is important in web scraping?**

**A)Selenium is an automation testing framework for web applications/websites which can also control the browser to navigate the website just like a human. Selenium uses a web-driver package that can take control of the browser and mimic user-oriented actions to trigger desired events.Selenium is a Python library and tool used for automating web browsers to do a number of tasks. One of such is web-scraping to extract useful data and information that may be otherwise unavailable.**

**2) what’s the difference between scraping images and scraping websites?**

**A)Image scraping is a subset of the web scraping technology. While web scraping deals with all forms of web data extraction, image scraping only focuses on the media side – images, videos, audio, and so on.**

**Web scraping: website scraping, web harvesting, or web data extraction is data scraping used for extracting data from websites. The web scraping software may directly access the World Wide Web using the Hypertext Transfer Protocol or a web browser.**

**3) Explain how MongoDB indexes data?**

**A)MongoDB uses multikey indexes to index the content stored in arrays. If you index a field that holds an array value, MongoDB creates separate index entries for every element of the array. These multikey indexes allow queries to select documents that contain arrays by matching on element or elements of the arrays.Indexes can be created by using the createIndex method. Indexes can be created on just one field or multiple field values. Indexes can be found by using the getIndexes method. Indexes can be removed by using the dropIndex for single indexes or dropIndexes for dropping all indexes.**

**4)what is the significance of the SET modifier?**

**A)Set expressions are used to define the scope of a calculation. The central part of the set expression is the set modifier that specifies a selection. This is used to modify the user selection, or the selection in the set identifier, and the result defines a new scope for the calculation.The set modifier consists of one or more field names, each followed by a selection that should be made on the field. The modifier is enclosed by angled brackets: < >**

**5) Explain the MongoDB aggregation framework?**

**A)The aggregation framework is a set of analytics tools within MongoDB that allows us to run various types of reports or analysis on documents in one or more collections. Based on the idea of a pipeline.The MongoDB Aggregation Framework is a way to query the data from MongoDB. It helps us to break the complex logics into a simple set of sequential operations. Just like a waterfall model, Output from one stage is fed as an input for the next stage until the desired result is achieved.**