Q1. Difference between Search Engines and Document filtering

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| **Document Filtering** | **Search Engine** |
| Document Filtering stores queries/user profiles and searches for information locally by comparing incoming user profile with existing ones. | Search engine searches for information over the world wide web and displays the results based on the search query user had entered. |
| Document Filtering deals only with searching of documents based on user queries. | Search engine retrieves information that consists of video, audio and graphics along with other documents. |
| Manual submission of queries/user profiles to a directory is a common Search Engine Optimization (SEO) technique to get back-links for the submitted web site. Also, it cannot be fully automated like search engine submission and makes it a tedious and time consuming job which has to be outsourced mostly. | A website is submitted by a webmaster directly to a search engine either one page at a time or the entire site at once using a sitemap. Major Search engines use crawlers; bots and spiders that would eventually find most of the websites on the Internet all by themselves but site operators wouldn’t wait for a search engine to discover them. |
| Document filtering filters the user profiles based on queries entered by users. | Search engines provides pages ranked based on the most relevant ones displayed in top few pages. |
| In terms of efficiency, document filtering is slower since it compares a user profile with each of the other user profiles in the database and also the incoming ones thereby increasing the complexity of the search and comparison. | Search engines on the other hand are faster as search engines work in three simple steps – crawling, indexing and search on the indexed results to give faster response time and lesser complexity. |