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# Survey on Information Retrieval and Stored Procedure

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**Abstract:** *In databases, information retrieval is the process of identifying and extracting data from a database, based on a query provided by the user or application. It enables the fetching of data from a database in order to display it on a monitor and/or used within an application. The data in a database can be in any formats. The search of data and the accurate retrieval is also a tedious task. The query used for the data retrieval needs reusability and security. In this paper, we survey the various techniques used to extract the data from the database and the inclusion of stored procedure concepts. We summarize the general features and summarize them as a study in this area.*

**Keywords:** *Information retrieval (IR), Stored Procedure (SP)*

## I. INTRODUCTION

Today various information retrieval algorithms are used with stored procedures. With growing size of database & requirement of precise data, Information retrieval are of great importance. But this area is still being under research for the best methodology of searching. Web applications are widely using nowadays. In these web applications, most of those are used in schools, Companies, Intranets etc. The interaction between the web applications and Database is done with Structured Query Language (SQL) and Scripting Language is used. These queries keep sensitive or personal information of various users. So it is necessary to maintain confidentiality from unauthorized access. This can be prevented by applying stored procedures. To provide actual and complete information for interested persons, information from databases also should be included with information retrieval operations and stored procedure concepts.

## II. LITERATURE SURVEY

this section, we focus on various techniques for retrieving the data from the database and the usage of stored procedure concepts. [1] George Ioannakis, Anestis Koutsoudis, Ioannis Pratikakis, Christodoulos Chamzas depicts about the data recovery in the examination space. In this paper creators utilizes the assessment metric for the data recovery. In this work, they show RETRIEVAL, a Web-based coordinated data recovery execution assessment stage. The ideas like paired autonomy show and the Cranfield worldview, where all things in a dataset are allotted with a twofold importance esteem. Recovery offers server-side registered execution measurements that unburdens calculation exertion from the customer side while guaranteeing that measurements calculation is regular among all clients. In the meantime the framework offers the capacity of measurements' parameterization at the client level. The apparatus is equipped for dealing with small scale, full scale examination keeping in mind the end goal to permit the execution assessment investigation at various levels.

[2] The Site T-SQL 101: Stored Procedures of IT PROToday.com survey is used to learn the procedure to write the stored procedure. This stored procedure helps to simplify the reusability of the code and to create the secured programs. It also helps to reduce the lines of coding. A Stored procedure is nothing more than prepared SQL code that you save so you can reuse the code over and over again. So if you think about a query that you write over again and again, instead of having to write that query each time you would save it as a stored procedure and then just call the stored procedure to execute the SQL code that you saved stored procedure. It provides the basic syntax for the creation of stored procedure. The stored procedure concepts are now becoming the safety progress for the websites. This site can be used for creating the stored procedure.

[3] Andrei S. Lopatenko of Vienna University of Technology portrays the data recovery strategies in the different space. The entrance to explore data is one of the undertakings critical to specialists and a few endeavors as of now were done to give to agents, industry, approach creators proficient data access to inquire about information in a few divisions of science and a few space. Notwithstanding the immense measure of information scattered on web website pages of tasks, analysts, colleges, it is difficult to get scientists give their information into brought together framework. Along these lines, the creator gives the answer for recovering the information from the huge site pages utilizing Semantic Web advancements. The comment of learning make it less demanding to analysts and research association to affirm data about their examination for spreading. Semantic Web advances take care of

various issues which are basic for execution extensive or European research data framework. They don't require endorsement of one configuration by all member, utilizing of similar vocabularies.

[4] Uwe Rohm and Thanh-Mai Diep describes about the stored procedure system for Basic Local Alignment Search Tool (BLAST) seeks. Stored Procedure methods are a vital component of all significant database frameworks that permits to execute application rationale inside database servers. This paper investigates encounters to execute a well known logical calculation, the Basic Local Alignment Search Tool (BLAST), as stored procedure systems inside a social database. We actualized the un-gapped, nucleotide variant of the BLAST calculation with four diverse social database motors, both business and open source. In a model report, they contrasted diverse executions of dbBLAST and respect to usage unpredictability and runtime execution. For littler question sizes of up to 60 base sets, dbBLAST was quicker than the record based NCBI-BLAST, yet it was inadequate with regards to the versatility of a document based BLAST seek. In bioinformatics, BLAST for Basic Local Alignment Search Tool is a calculation for looking at essential natural grouping data, for example, the amino-corrosive arrangements of proteins or the nucleotides of DNA successions. The idea of the BLAST with stored procedure method are clarified in this paper.

[5] Sruthy Mamadhan, Manesh T, Varghese Paul depicts about Blockage of Stored Procedure SQL Injection Attack Using Dynamic Query Structure Validation. Web applications are turning into a fundamental piece of our everyday life. So assaults against them additionally increments immediately. Of these assaults, a noteworthy part is held by SQL infusion assaults (SQLIA). This paper prescribes another technique for forestalling SQL infusion assaults in JSP web applications. It counteracts by checking the arranged structure of the SQL inquiry before executing it. For this we utilize semantic affiliation. This technique avoids changed sorts of infusion assaults including put away methodology assault which is more troublesome and less considered in the writing. The put away system ideas are currently turning into the security advance for the sites. Assault is conceivable by infusing exceptionally made client contributions to the put away technique. For counteractive action, the technique proposed in this paper is dynamic semantic comparability checking. For doing that the inquiry structure that is being shaped inside the methodology is required. In any case, if there should be an occurrence of put away methodology, getting inquiry structure before genuine execution is troublesome. To deal with this, we are building one extra system which is like the one being considered, at the same time, with one extra yield contention 'qry' for getting the dynamic question structure which is required for semantic proportionality checking.

### III. METHODOLOGY

There are many algorithms and methodologies are used for the information retrieval. The Web science encompassing web data about those interests. Google began because of their organizers' endeavor to locate the best coordinating between the client questions and Web archives, and do it extremely quick. Amid the procedure, they revealed a couple of essential standards: 1) best pages have a tendency to be those connected to the most; 2) best portrayal of a page is regularly gotten from the grapple content related with the connections to a page. Speculations were created to misuse these standards to improve the errand of recovering the best reports for a client question. Many methodologies used for the information retrieval. Some are

- A. The classical information retrieval system like Boolean Model, Vector Model, Probabilistic model etc.
- B. The alternative Set Theoretical Models like Fuzzy set model and extended Boolean model can be used
- C. The Algebraic models like Generalized vector space model, Latent semantic Indexing model, Neural Network model can be used.
- D. Many modern models are used for information retrieval like Bayesian networks are used.

### IV. FUTURE SCOPE

The new web applications can be created with stored procedure for data retrieval. Using this stored procedure one can hide the details of queries used for the data retrieval. The information retrieval is the major concern for the database applications. Stored procedures are an important feature of all major database systems that allows to execute application logic within database servers. It also simplifies the task of client side solicitations.

### V. CONCLUSION

Thus our proposed system will helps the person to understand the importance of stored procedure in web application for the information retrieval. Information retrieval (IR) is finding material of an unstructured nature that satisfies an information need from within large collections (usually stored on computers). As defined in this way, information retrieval used to be an activity that only a few people engaged in: reference librarians, paralegals, and similar professional searchers. Now the world has changed, and



hundreds of millions of people engage in information retrieval every day when they use a web search engine or search their email. The protection for the users can be rendered using the stored procedure.

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