Experiment No.3

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Class: LY Computer Engineering

Batch: L3

Aim: Write a program for web feed using PHP and HTML

Theory:

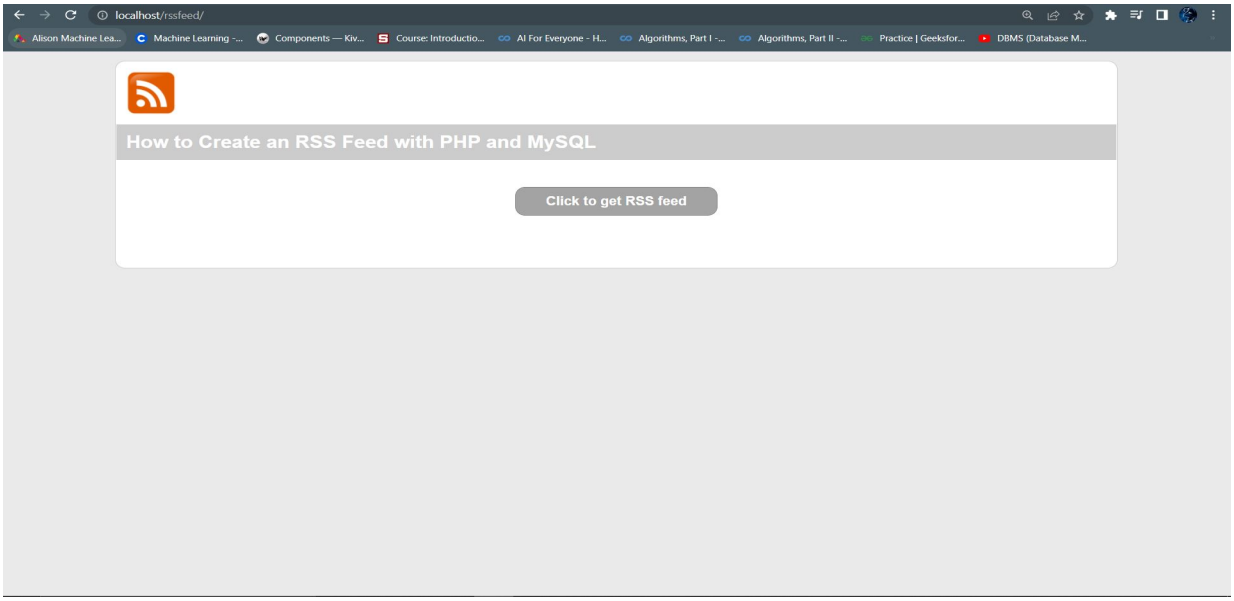
RSS is a way for website authors to publish notifications of new content on their website. This content may include newscasts, blog posts, weather reports, and podcasts.

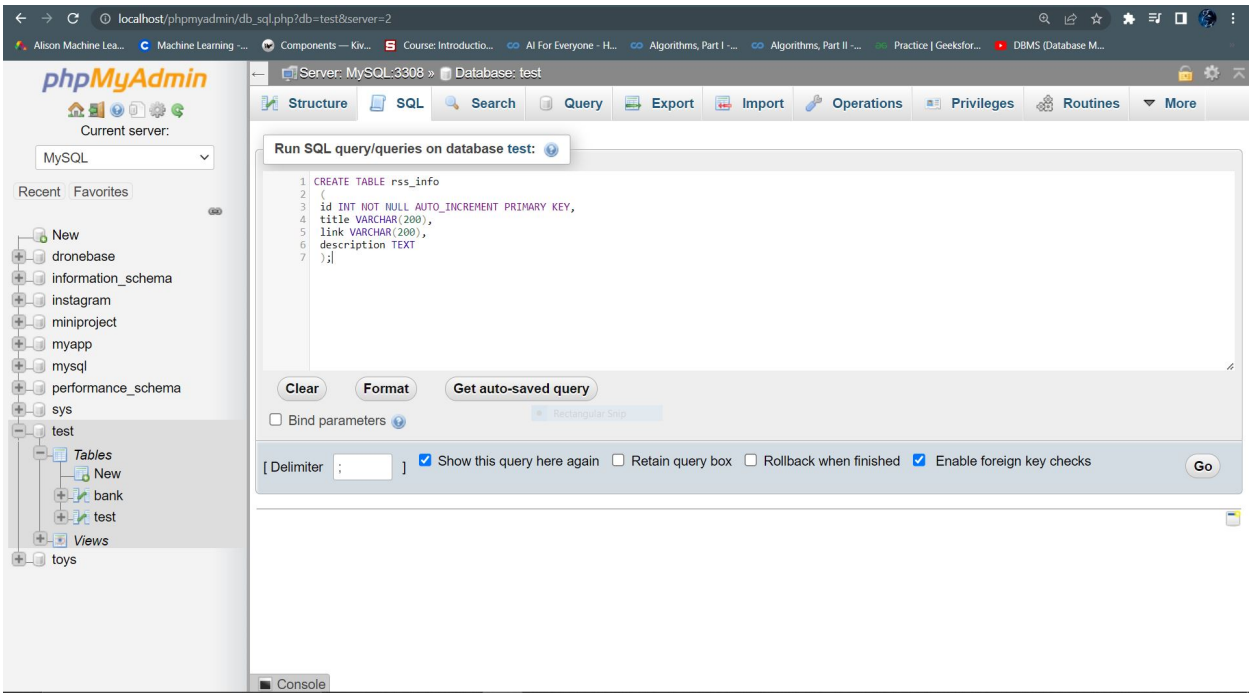
To publish these notifications, the website author creates a text file with the XML file extension for the RSS feed that contains the title, description, and link for each post on the site. Then, the website author uses this XML file to add an RSS feed to web pages on the site. The XML file automatically syndicates new content through this RSS feed in a standard format that displays in any RSS reader.

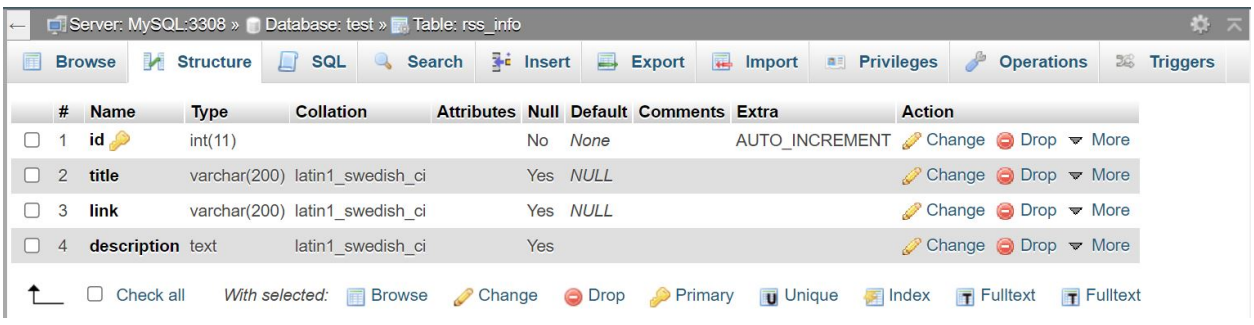
An RSS feed consolidates information sources in one place and provides updates when a site adds new content. With social media, all you see is the favorite stuff that people share. With an RSS feed, you see everything a website publishes.

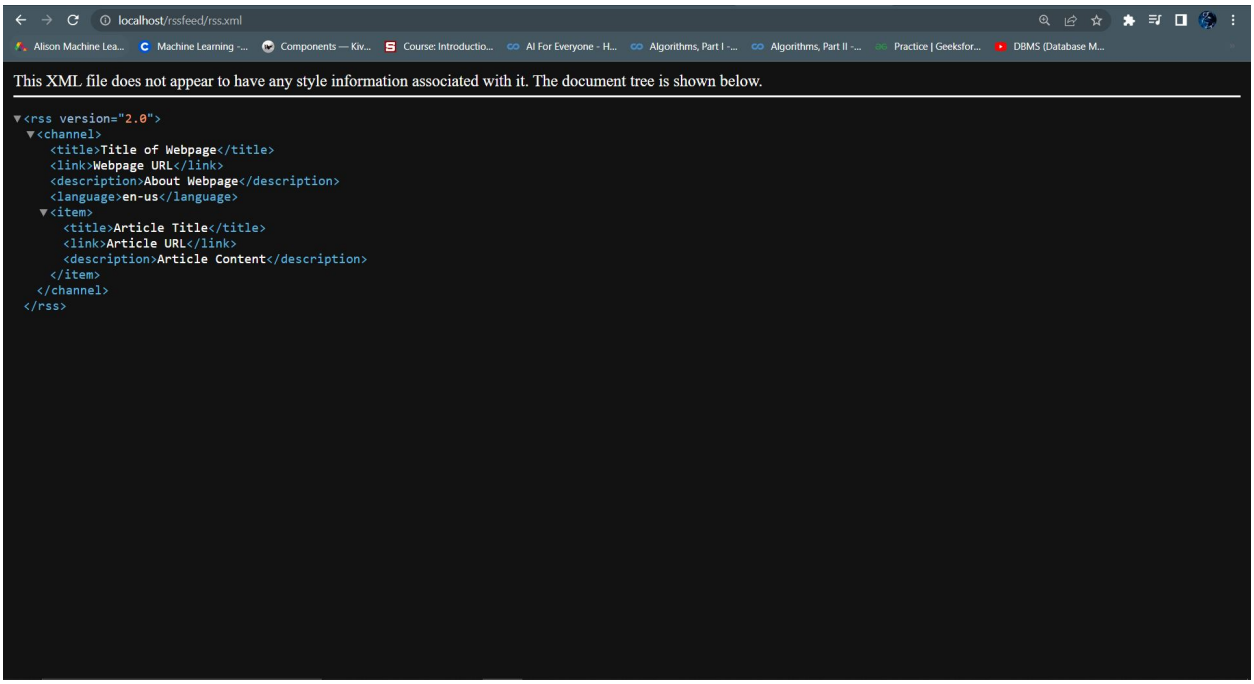
To find an RSS feed on a website, look on the site's main or home page. Some sites display their RSS feed as an orange button that may contain the acronyms RSS or XML.

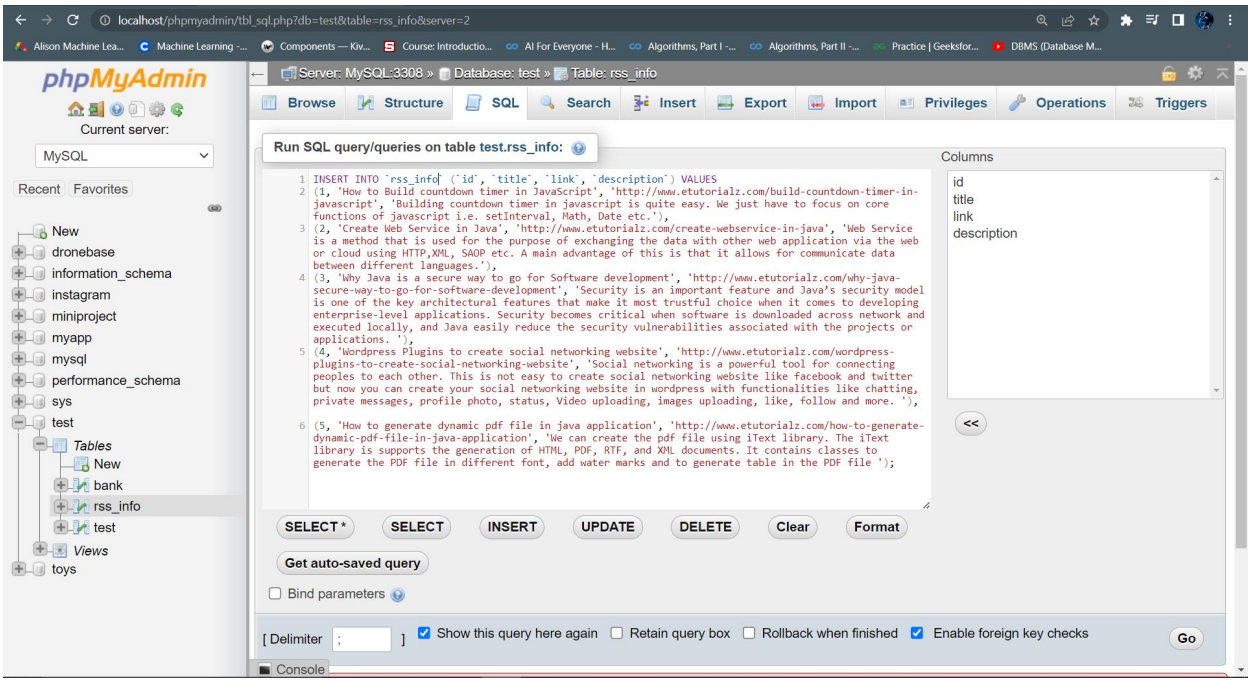
Below are some of the screenshots of the web feed using PHP and HTML:

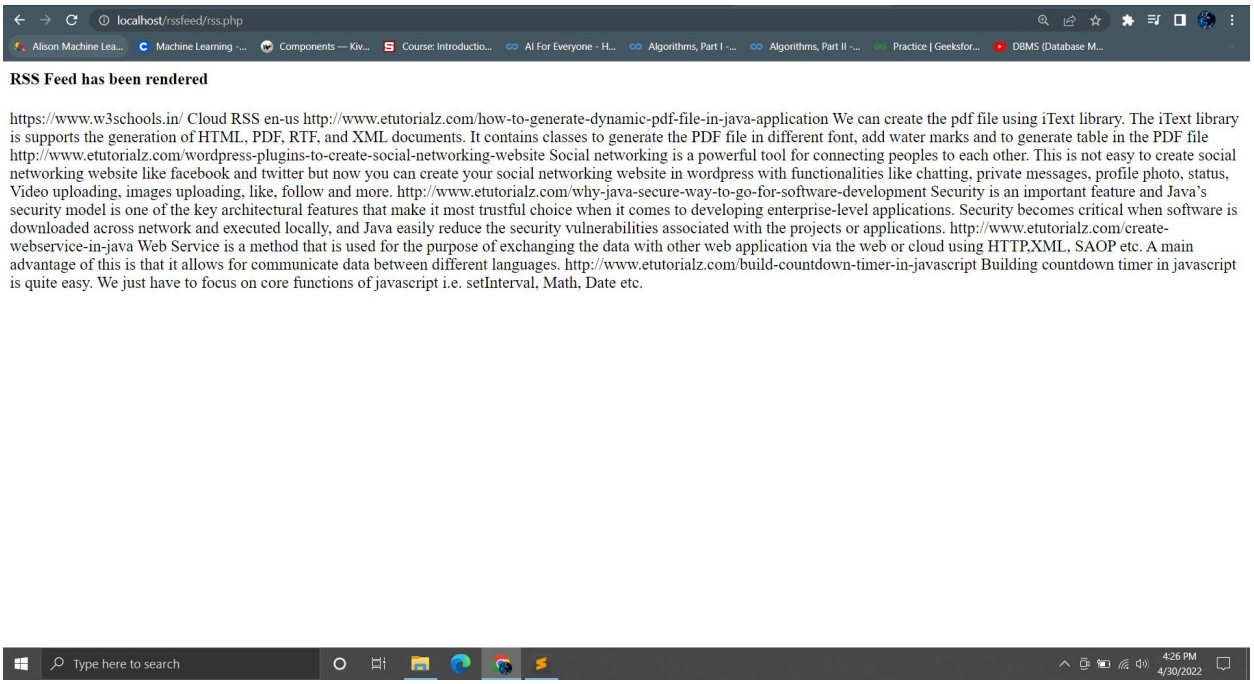







localhost/rssfeed/rss.xml
This XML file does not appear to have any style information associated with it. The document tree is shown below.
<rss version="2.0">
<channel>
<title>Title of Webpage</title>
<link>Webpage URL</link>
<description>About Webpage</description>
<language>en-us</language>
<item>
<title>Article Title</title>
<link>Article URL</link>
<description>Article Content</description>
</item>
</channel>
</rss>


localhost/phpmyadmin/tbl_sql.php?db=test&table=rss_info&server=2
phpMyAdmin
Current server:
MySQL
Recent Favorites
New
dronebase
information_schema
instagram
miniproject
myapp
mysql
performance_schema
sys
test
Tables
New
bank
rss_info
test
Views
toys
Server: MySQL:3308 » Database: test » Table: rss_info
Browse Structure SQL Search Insert Export Import Privileges Operations Triggers
Run SQL query/queries on table test.rss_info:
INSERT INTO `rss_info` (`id`, `title`, `link`, `description`) VALUES
(1, 'How to Build countdown timer in JavaScript', 'http://www.etutorialz.com/build-countdown-timer-in-javascript', 'Building countdown timer in javascript is quite easy. We just have to focus on core functions of javascript i.e. setInterval, Math, Date etc.'),
(2, 'Create Web Service in Java', 'http://www.etutorialz.com/create-webservice-in-java', 'Web Service is a method that is used for the purpose of exchanging the data with other web application via the web or cloud using HTTP,XML, SAOP etc. A main advantage of this is that it allows for communicate data between different languages.'),
(3, 'Why Java is a secure way to go for Software development', 'http://www.etutorialz.com/why-java-secure-way-to-go-for-software-development', 'Security is an important feature and Java's security model is one of the key architectural features that make it most trustful choice when it comes to developing enterprise-level applications. Security becomes critical when software is downloaded across network and executed locally, and Java easily reduce the security vulnerabilities associated with the projects or applications. '),
(4, 'Wordpress Plugins to create social networking website', 'http://www.etutorialz.com/wordpress-plugins-to-create-social-networking-website', 'Social networking is a powerful tool for connecting peoples to each other. This is not easy to create social networking website like facebook and twitter but now you can create your social networking website in wordpress with functionalities like chatting, private messages, profile photo, status, Video uploading, images uploading, like, follow and more. '),
(5, 'How to generate dynamic pdf file in java application', 'http://www.etutorialz.com/how-to-generate-dynamic-pdf-file-in-java-application', 'We can create the pdf file using iText library. The iText library is supports the generation of HTML, PDF, RTF, and XML documents. It contains classes to generate the PDF file in different font, add water marks and to generate table in the PDF file ');
Columns
id
title
link
description
<<
SELECT * SELECT INSERT UPDATE DELETE Clear Format
Get auto-saved query
Bind parameters
[Delimiter ;] Show this query here again Retain query box Rollback when finished Enable foreign key checks
Go
Console



Index.php:

```
<meta http-equiv="Content-Type" content="text/html; charset=utf-8">

<title>How to Create an RSS Feed with PHP and MySQL</title>

<link rel="stylesheet" href="css/style.css">


<div class="container">

   <div class="header">

      <img src="https://upload.wikimedia.org/wikipedia/commons/thumb/d/d9/Rss-feed.svg/1024px-Rss-feed.svg.png" height=50 width=50>

   </div><!-- header -->

   <h1 class="main_title">How to Create an RSS Feed with PHP and MySQL</h1>

   <div class="content">

      <a href="rss" class="button_rss">Click to get RSS feed</a>
```

```
  </div><!-- content -->
  <!-- footer -->
</div><!-- container -->
```

RSS.php

```
<?php
 $con=mysqli_connect("localhost","root","","test",3308);
 if (mysqli_connect_errno($con)) {
 echo "Database connection failed!: " . mysqli_connect_error();
 }
 else
 echo "<h4>RSS Feed has been rendered</h4>";
  $sql = "SELECT * FROM rss_info ORDER BY id DESC LIMIT 20";
 $query = mysqli_query($con,$sql);
 //header( "Content-type: text/xml");
  echo "<?xml version='1.0' encoding='UTF-8'?>
 <rss version='2.0'>
 <channel>
 <title>w3schools.in | RSS</title>
 <link>https://www.w3schools.in/</link>
 <description>Cloud RSS</description>
 <language>en-us</language>";
 while($row = mysqli_fetch_array($query)){
   $title=$row["title"];
```

```
  $link=$row["link"];
  $description=$row["description"];
   echo "<item>
  <title>$title</title>
  <link>$link</link>
  <description>$description</description>
  </item>";
 }
 echo "</channel></rss>";
?>
```

Conclusion:

In the given practical we have performed the practical for web feed using PHP and HTML.