SVKM'S NMIM'S Nilkamal School of Mathematics, Applied Statistics & Analytics
Master of Science (Data Science)
Practical-7 Webfeed

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Writeup:-

- **Web Feed**
- **RSS and Atom**
- **Benefits of web feed**
  Web Feeds:

Web Feed

A web feed is a data format used for providing users with frequently updated content. It allows users to subscribe to their favorite websites and receive updates automatically without having to visit the website itself. Web feeds are commonly used for distributing news headlines, blog posts, podcasts, and other types of frequently updated content.

RSS and Atom:

RSS (Rich Site Summary or Really Simple Syndication) and Atom are two of the most popular web feed formats. Both formats serve the same purpose, but they have different structures and syntax.

RSS: RSS is an XML-based format that allows publishers to syndicate content. It typically consists of a list of items, each containing a title, a link to the full content, and a brief description. RSS feeds can be read by RSS feed readers or aggregators, which collect and display content from multiple sources in one place.

Atom: Atom is another XML-based web feed format that is similar to RSS. It was developed as an alternative to RSS with a focus on simplicity, flexibility, and extensibility. Like RSS, Atom feeds contain a list of entries with titles, links, and content summaries.

Both RSS and Atom are widely supported by content management systems, blogging platforms, and web browsers.

Benefits of Web Feeds:

Efficient Content Distribution: Web feeds allow publishers to distribute content to subscribers efficiently. Instead of users having to visit multiple websites individually, they can subscribe to web feeds and receive updates in one place.

Timely Updates: With web feeds, subscribers can receive timely updates as soon as new content is published. This is especially useful for news websites, blogs, and other sources of time-sensitive information.

Customizable Content Consumption: Users have control over which feeds they subscribe to, allowing them to customize their content consumption experience. They can choose to follow only the sources that interest them and ignore the rest.
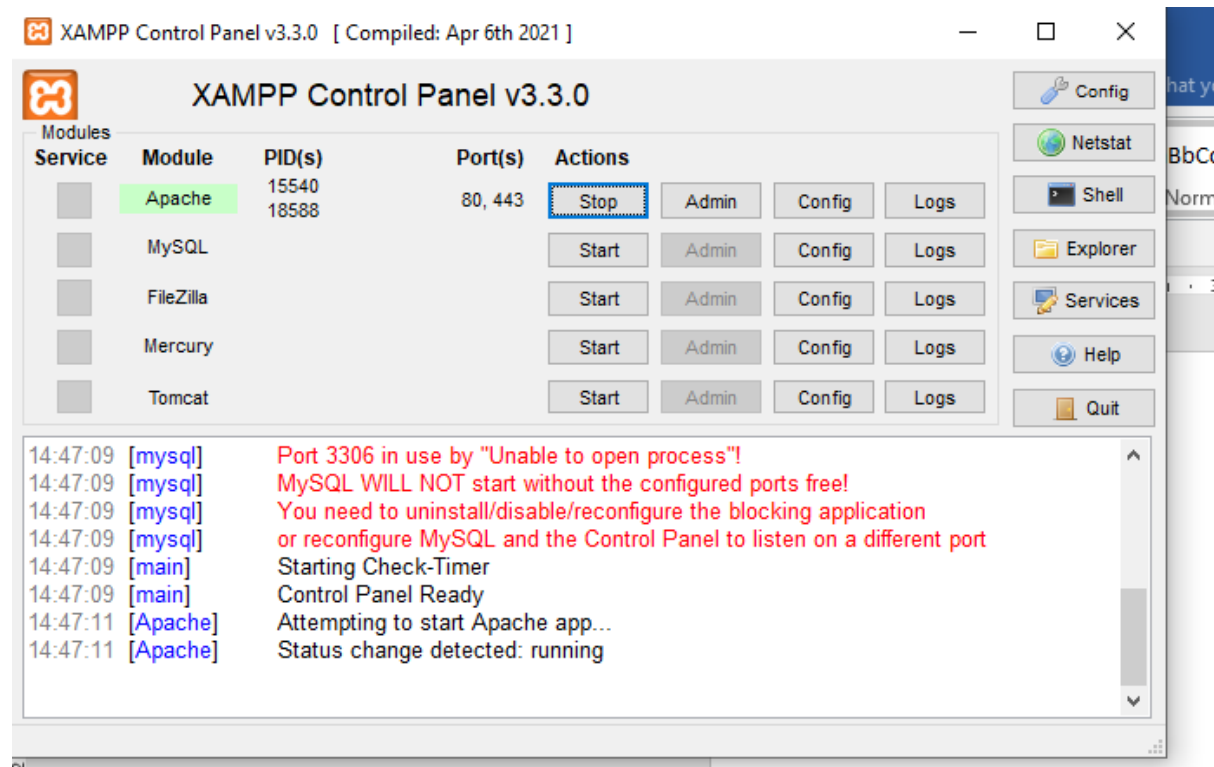
Offline Access: Many feed readers and aggregators support offline access, allowing users to download content for later viewing. This is useful for users who want to access content when they don't have an internet connection, such as during travel or in areas with limited connectivity.

Reduced Information Overload: Web feeds help reduce information overload by providing a streamlined way to consume content from multiple sources. Instead of being inundated with updates from numerous websites, users can consolidate their content consumption through web feeds.

Increased Engagement: For publishers, web feeds can help increase engagement with their audience by making it easier for users to stay updated on their latest content. This can lead to higher traffic, increased reader loyalty, and improved brand recognition.

Automation: Web feeds support automation, allowing publishers to streamline the process of content distribution. Content can be automatically published to feeds as soon as it's available, saving time and effort for content creators.

Open xamp panel

Verify using localhost

← → C ⓘ localhost/dashboard/

Apache Friends   FAQs   HOW-TO Guides   PHPInfo   phpMyAdmin

XAMPP Apache + MariaDB + PHP + Perl

Welcome to XAMPP for Windows 8.0.30

You have successfully installed XAMPP on this system! Now you can start using Apache, MariaDB, PHP and other components. You can find more info in the FAQs section or check the HOW-TO Guides for getting started with PHP applications.

XAMPP is meant only for development purposes. It has certain configuration settings that make it easy to develop locally but that are insecure if you want to have your installation accessible to others.

Start the XAMPP Control Panel to check the server status.

Community

XAMPP has been around for more than 10 years – there is a huge community behind it. You can get involved by joining our Forums, liking us on Facebook, or following our exploits on Twitter.

Login in mysql cmd

MySQL 8.0 Command Line Client - Unicode

```
Enter password: ********
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 15
Server version: 8.0.26 MySQL Community Server - GPL

Copyright (c) 2000, 2021, Oracle and/or its affiliates.

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affiliates. Other names may be trademarks of their respective
owners.
```

Create a database

```
mysql> create database ds;
Query OK, 1 row affected (0.02 sec)

mysql> use database ds;
ERROR 1049 (42000): Unknown database 'database'
mysql> use ds;
Database changed
```

Create a table and add values

```
mysql> CREATE TABLE `product` ( `id` int(11) NOT NULL, `title` varchar(250) NOT NULL, `description` text NOT NULL, `image` varchar(500) NOT NULL, `link` varchar(500) NOT NULL, `date` datetime NOT NULL) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;
Query OK, 0 rows affected, 1 warning (0.12 sec)

mysql> INSERT INTO `product` (`id`, `title`, `description`, `image`, `link`, `date`) VALUES(1, 'Lorem ipsum dolor sit amet, consectetur adipiscing elit.', 'Lorem ipsum dolor sit amet, consectetur adipiscing elit. Vivamus varius ipsum ant
e, eu gravida odio tempus at. Nam rutrum lectus ac scelerisque tristique. Aliquam porttitor suscipit aliquam. Phasellus tempor porta commodo. Nulla id blandit est, vel ultricies purus. Nullam faucibus ac elit at scelerisque. Suspendisse
nec ultrices quam. Duis laoreet tempor', 'https://www.lotus-qa.com/wp-content/uploads/2020/02/testing.jpg', 'link1', '2021-07-17 18:06:19'),(2, 'Aliquam non tristique in, gravida vitae purus. Fusce id nulla augue. Donec', 'Phasellus lore
m enim, aliquam non tristique in, gravida vitae purus. Fusce id nulla augue. Donec efficitur est nisi, nec consectetur odio vestibulum et. Cras eget tortor pulvinar, cursus sem in, rutrum nisl. Morbi in purus turpis. Vestibulum laoreet f
acilisis sapien, scelerisque egestas lacus finibus sed. Etiam euismod nibh tellus, a tristique mi vehicula non.\r\n\r\n', 'https://www.theedadvocate.org/wp-content/uploads/2016/02/board-361516_960_720.jpg', 'link2', '2021-07-18 18:06:19'
),(3, 'Vivamus pretium neque odio', 'Vivamus pretium neque odio, finibus vehicula felis congue nec. Duis ligula elit, congue sed tellus sit amet, congue vulputate purus. Suspendisse sodales urna nec ipsum luctus accumsan. Praesent effici
tur, justo sed tristique consectetur, neque orci iaculis sem, ac vestibulum est sapien sed ante. Mauris vel augue mattis, mattis felis ut, fermentum justo. Nulla ultrices lobortis diam sit amet mollis. Cras non dignissim urn', 'http://ww
w.flexibleproduction.com/wp-content/uploads/2017/06/test-intelligenza-sociale.jpg', 'link3', '2021-07-19 18:07:36'),(4, 'Etiam in faucibus ex', 'Etiam in faucibus ex. Donec ut mattis ex', 'Etiam in faucibus ex. Donec ut mattis ex, at cursus diam. Phasellus impe
rdiet auctor accumsan. Duis hendrerit, orci vel pharetra varius, nulla lectus ultricies ex, nec semper lacus magna ac ex. Orci varius natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Donec ac pharetra ex, eget l
acinia ex. Sed varius aliquet magna nec gravida. Vivamus dui mauris, luctus quis diam sed, blandit condimentum nibh. Nam at mi velit. In sagittis imperdiet arcu et vehicula. Phasellus mi arcu, tincidunt ut elit vitae, semper fringilla or
ci. Praesent at nulla quis turpis aliquam efficitur. In sed turpis quis ipsum tincidunt porta in vel nunc.\r\n\r\n', 'https://www.railwaysignalling.eu/wp-content/uploads/2015/05/testing.jpg', 'link4', '2021-07-20 19:07:36');
Query OK, 4 rows affected (0.03 sec)
Records: 4  Duplicates: 0  Warnings: 0

mysql> ALTER TABLE `product`  ADD PRIMARY KEY (`id`);
Query OK, 0 rows affected (0.11 sec)
Records: 0  Duplicates: 0  Warnings: 0

mysql> ALTER TABLE `product`  MODIFY `id` int(11) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=5;COMMIT;
Query OK, 4 rows affected, 1 warning (0.10 sec)
Records: 4  Duplicates: 0  Warnings: 1

Query OK, 0 rows affected (0.00 sec)

mysql>
```
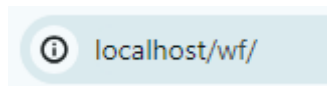
Paste the files in following folder

> This PC > Windows (C:) > xampp > htdocs > wf

Name	Date modified	Type	Size
fetch	30-03-2024 14:31	PHP Source File	1 KB
create	30-03-2024 14:31	PHP Source File	1 KB

ess

ds

nts

Load wf

ⓘ localhost/wf/

Replace the url with whatever you want

```php
<?php
$url="https://timesofindia.indiatimes.com/rssfeeds/4719148.cms";
$feedArr=json_decode(json_encode(simplexml_load_file($url)),true);
if(isset($feedArr['channel'])){
        if(isset($feedArr['channel']['item'])){
                echo "<div class='container'>";
                foreach($feedArr['channel']['item'] as $list){
                        echo "<div class='item'>";
                                echo "<a href='".$list['link']."' target='_blank'><h2>".$list['title']."</h2></a>";
                                echo "<div class='desc'>".$list['description']."</div>";
                        echo "</div>";
                }
                echo "</div>";
        }else{
                echo "Invalid Feed Link";
        }
}else{
        echo "Invalid Feed";
}
?>

<style>
.container{
        width: 80%;
    margin: auto;
}
.item{
        width:300px;
        float:left;
        height:500px;
        padding:10px;
}
.desc img{
        width:100%;
}
</style>
```

Click on fetch and check if the link works

Index of /wf

Name	Last modified	Size	Description
Parent Directory		-	
create.php	2024-03-30 14:31	902	
fetch.php	2024-03-30 14:50	774	

'We are much better than that...': Virat Kohli to RCB teammates

Virat Kohli was named Royal Challengers Bengaluru 'Player of the Match' for his 83 not out against Kolkata Knight Riders in their IPL match on Friday. Despite their defeat, Kohli was presented with a gift hamper by teammate Glenn Maxwell. KKR secured their victory with seven wickets and 19 balls to spare.

Watch: RCB dressing room chat after losing to KKR

RCB lost IPL 2024 match against despite Virat Kohli's 83. A day after losing the match, RCB posted a video of their coach Andy Flower discussing and reviewing the performances of the players in the match. KKR have two wins from two matches, and RCB one victory from three games.

Kohli & Gambhir's hug: 'Sometimes you cross the line but...'

Cricket fans witnessed an unexpected on-field reunion between Virat Kohli and Gautam Gambhir during the Indian Premier League match between Royal Challengers Bengaluru and Kolkata Knight Riders. The former adversaries, who had a tumultuous history, were seen shaking hands and sharing smiles during a strategic timeout at M Chinnaswamy Stadium.

'Impossible for RCB to win the IPL...'

Kolkata Knight Riders won the Indian Premier League 2024 match by seven wickets over Royal Challengers Bengaluru, led by Venkatesh Iyer and Sunil Narine. The team became the first to win away from home in the IPL season. However, concerns about RCB's bowling performance were raised, with former cricketers including Michael Vaughan expressing skepticism.

IPL 2024: TOI's team of the week

TOI's IPL XI includes standout performers like Rachin Ravindra, Sanju Samson, Andre Russell, Virat Kohli, and other talented players showcasing their skills in the ongoing IPL 2024 tournament.

Live Score: Bangladesh vs Sri Lanka, 2nd Test Day 1

Watch: Spin bowling coach lauds KKR after victory against RCB

KKR's away win celebrated by Carl Crowe. Anukul Roy, Harshit Rana, Mitchell Starc, Sunil Narine, Andre Russell, Varun Chakaravarthy praised. Venkatesh Iyer's pulls

'Jhagda Hua?': Delhi Police's hilarious meme after Kohli-Gambhir hug

Former rivals Virat Kohli and Gautam Gambhir surprised fans with a heartwarming reconciliation at an IPL match. The duo's past conflicts were overshadowed by their display