

**LAPORAN TUGAS**  
**PEMBELAJARAN TRYHACKME**  
**“Putting It All Together”**



Olgeh :

Fannisa Az Zahra (2231740037)

Dosen Pengajar :

Vipkas Al Hadid Firdaus, S.T, M.T.

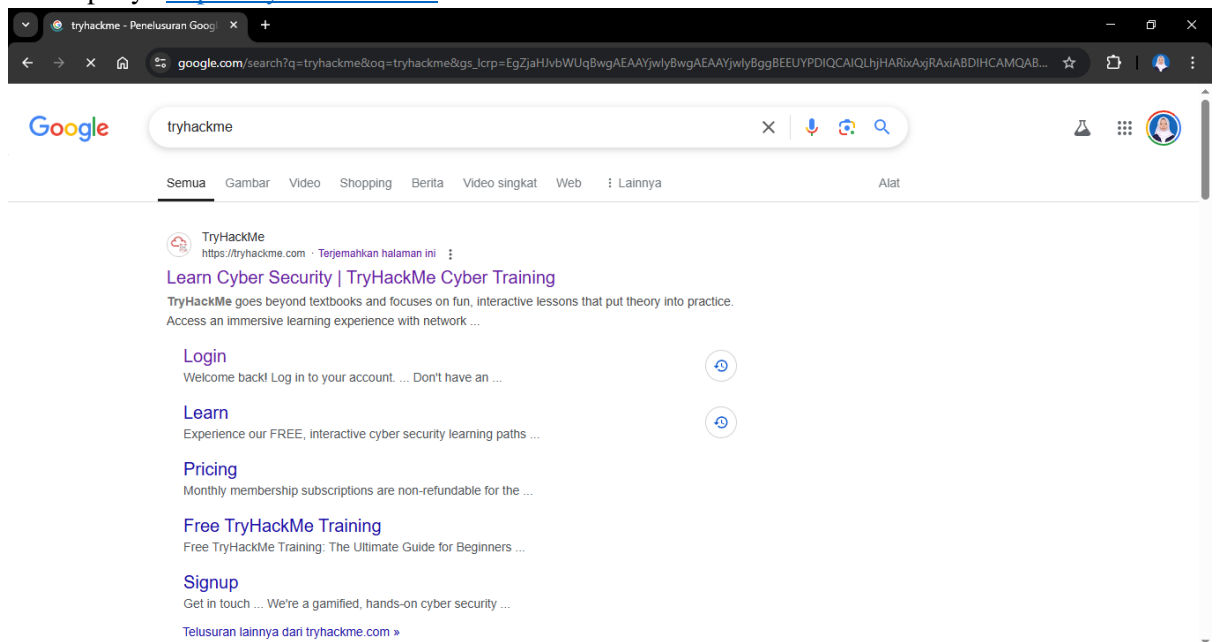
**POLITEKNIK NEGERI MALANG PSDKU LUMAJANG**

Jl. Lintas Timur, Area Sawah/Kebun, Jogoturunan, Kec. Lumajang, Kab. Lumajang

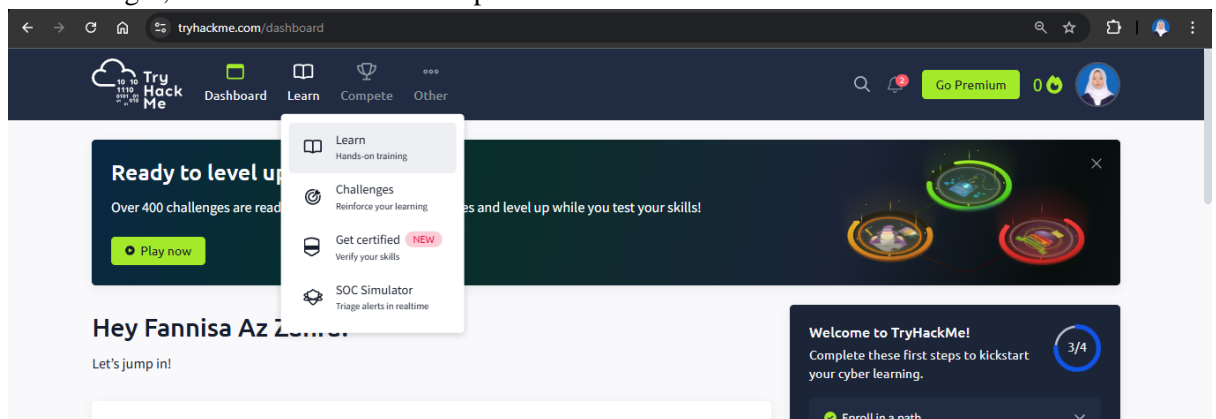
Jawa Timur 67314

**2025**

1. Buka laman chrome, lalu ketikkan tryhackme kemudian Login dengan akun yang sudah kalian punya <https://tryhackme.com/>



2. Setelah login, masuk ke dashboard dan pilih learn.



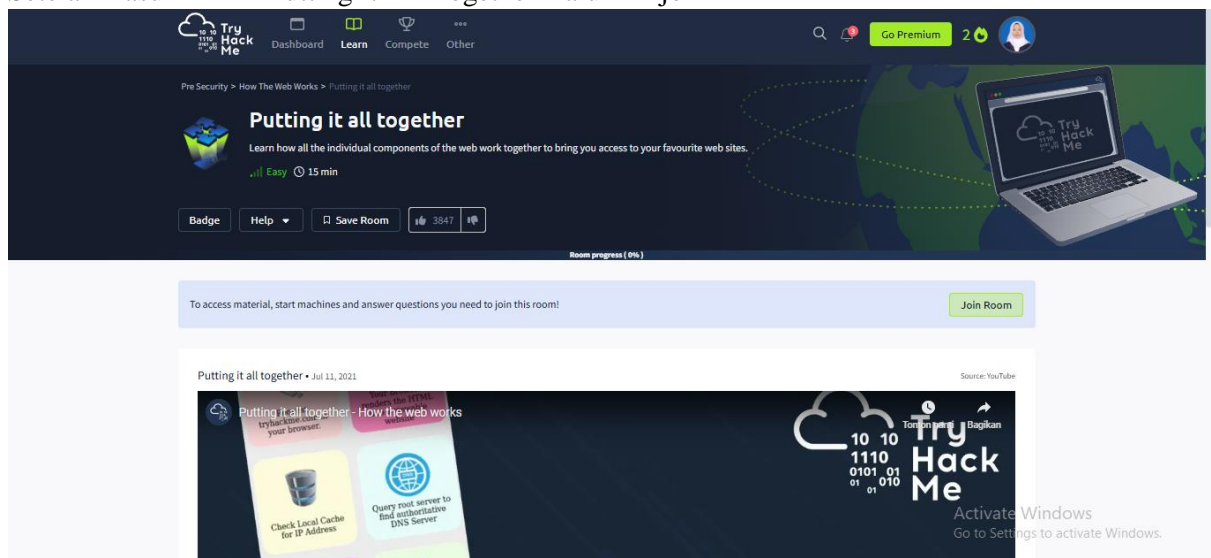
3. Setelah itu scroll kebawah dan pilih Free Roadmap



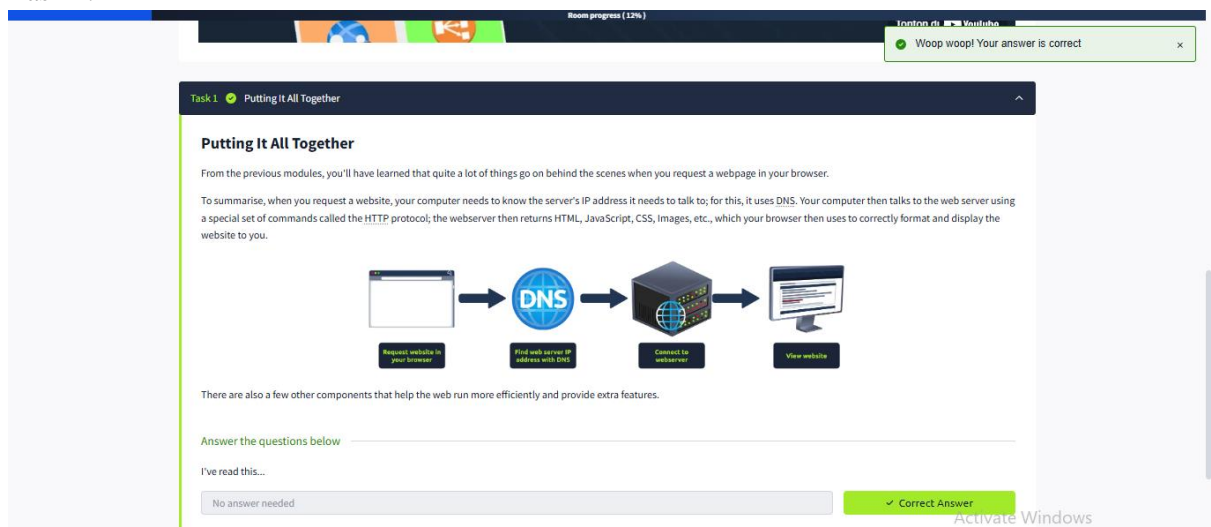
4. Lalu scroll kebawah dan pilih “room Putting It All Together”



5. Setelah masuk room “Putting It All Together” lalu klik join



6. Task 1.



## 7. Task 2.

Room progress (50%)

**Databases**

Often websites will need a way of storing information for their users. Webservers can communicate with databases to store and recall data from them. Databases can range from just a simple plain text file up to complex clusters of multiple servers providing speed and resilience. You'll come across some common databases: MySQL, MSSQL, MongoDB, Postgres, and more; each has its specific features.

**WAF (Web Application Firewall)**

A WAF sits between your web request and the web server; its primary purpose is to protect the webserver from hacking or denial of service attacks. It analyses the web requests for common attack techniques, whether the request is from a real browser rather than a bot. It also checks if an excessive amount of web requests are being sent by utilising something called rate limiting, which will only allow a certain amount of requests from an IP per second. If a request is deemed a potential attack, it will be dropped and never sent to the webserver.



Answer the questions below

What can be used to host static files and speed up a clients visit to a website?

CDN ✓ Correct Answer

What does a load balancer perform to make sure a host is still alive?

health check ✓ Correct Answer

What can be used to help against the hacking of a website?

WAF ✓ Correct Answer

Activate Windows  
Go to Settings to activate Windows.

## 8. Task 3.

Room progress (57%)

done is all done behind the scenes. You can't view the websites' HTML source and see what's happening in the Backend, while the HTML is the result of the Frontend. Everything you see in your browser is called the **Frontend**.

**Scripting and Backend Languages**

There's not much of a limit to what a backend language can achieve, and these are what make a website interactive to the user. Some examples of these languages (on the particular order) are PHP, Python, Ruby, NodeJS, Perl and many more. These languages can interact with databases, call external services, process data from the user, and so much more. A very basic PHP example of this would be if you requested the website <http://example.com/index.php?name=adam>

If index.php was built like this:

```
<html><body>Hello <?php echo $_GET["name"]; ?></body></html>
```

It would output the following to the client:

```
<html><body>Hello adam</body></html>
```

You'll notice that the client doesn't see any PHP code because it's on the **Backend**. This interactivity opens up a lot more security issues for web applications that haven't been created securely, as you learn in further modules.

Answer the questions below

What does web server software use to host multiple sites?

Virtual Hosts ✓ Correct Answer

What is the name for the type of content that can change?

Dynamic ✓ Correct Answer

Does the client see the backend code? Yay/Nay

Nay ✓ Correct Answer

Activate Windows  
Go to Settings to activate Windows.

## 9. Task 4.

Room completed (100%)

Tonton di YouTube

Task 1 ✓ Putting it All Together

Task 2 ✓ Other Components

Task 3 ✓ How Web Servers Work

Task 4 ✓ Quiz

**The Quiz**

Click the "View Site" button on the right. Using everything you've learnt from the other modules, drag and drop the tiles into the correct order of how a request to a website works to reveal the flag.

**Note:** When placing a tile in the correct position, it will highlight in green. When a tile is in the wrong spot, it will highlight in red. Make sure **not** to refresh the page, as it will reset the tiles all to blank again!

Answer the questions below


Flag

THM[YOU\_GOT\_THE\_ORDER] ✓ Correct Answer

View Site

Activate Windows  
Go to Settings to activate Windows.

10. Maka selesai sudah room “Putting It All Together”



**Congratulations on completing Putting it all together!!! 🎉**

Points earned

🏆 56

Completed tasks

📋 4

Room type

🗺️ Walkthrough

Difficulty

📶 Easy

Streak

🔥 1

[📝 Leave Feedback](#)

Next

Activate Windows

Go to Settings to activate Windows