

LAPORAN TUGAS
PEMBELAJARAN TRYHACKME
“DNS IN DETAIL”



Oleh:

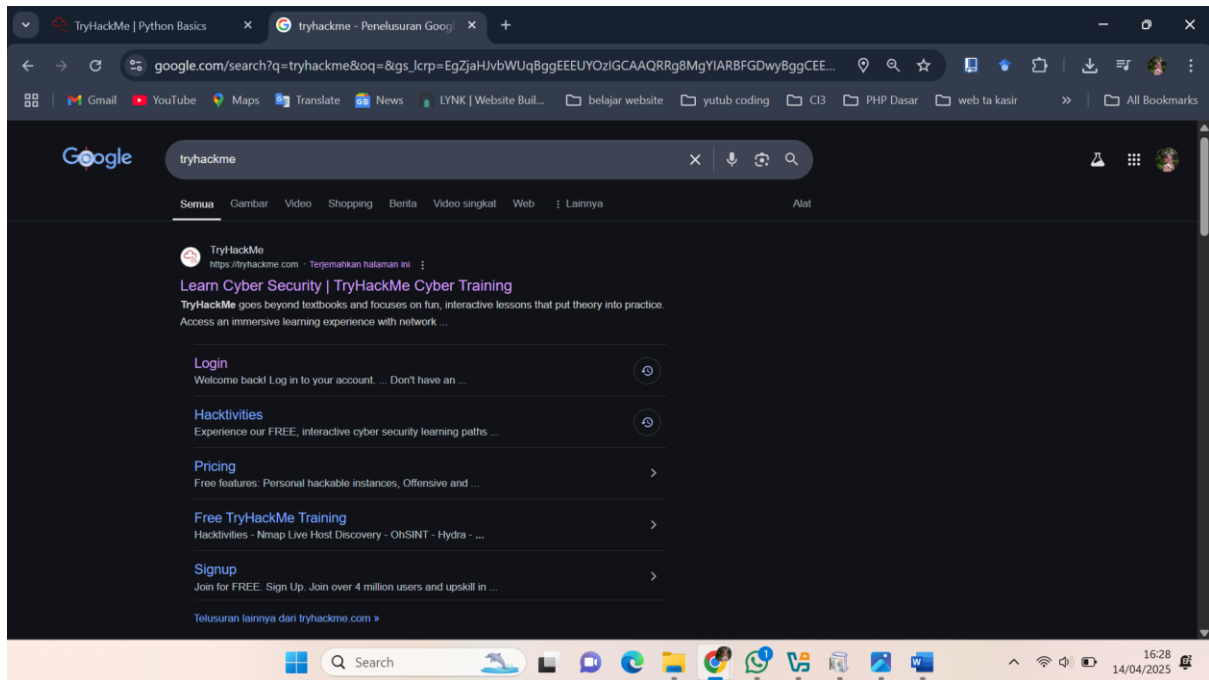
Nur Manda Devi Puspita Wangi (2231740011)

Dosen Pengajar:

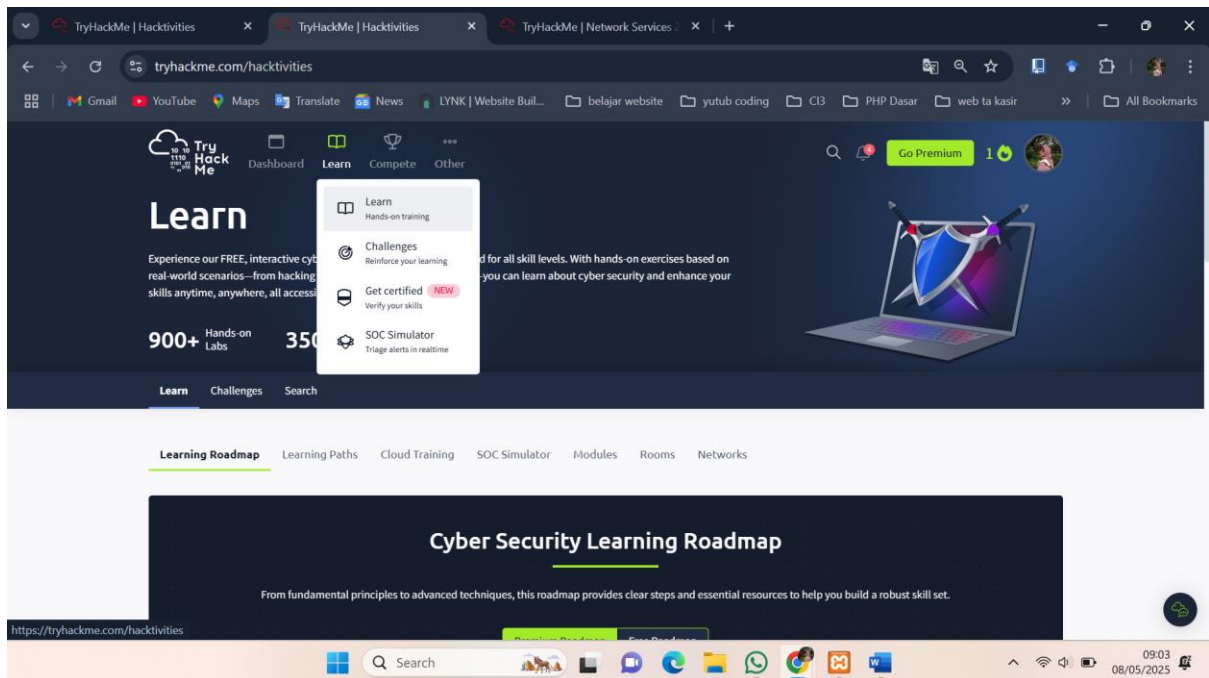
Vipkas Al Hadid Firdaus, S.T, M.T.

PROGRAM STUDI D3 TEKNOLOGI INFORMASI
POLITEKNIK NEGERI MALANG PSDKU LUMAJANG
TAHUN 2025

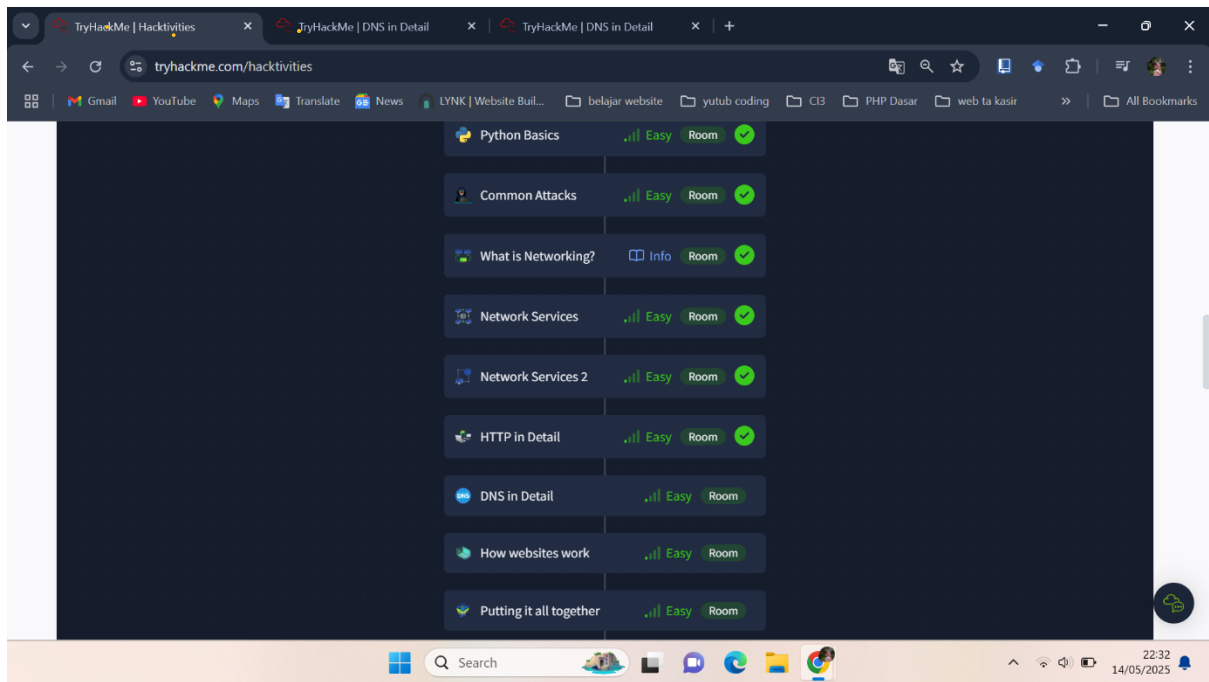
1. Buka google, lalu ketik trayhackme kemudian klik “Login” atau langsung klik link tautan berikut : <https://tryhackme.com/> .



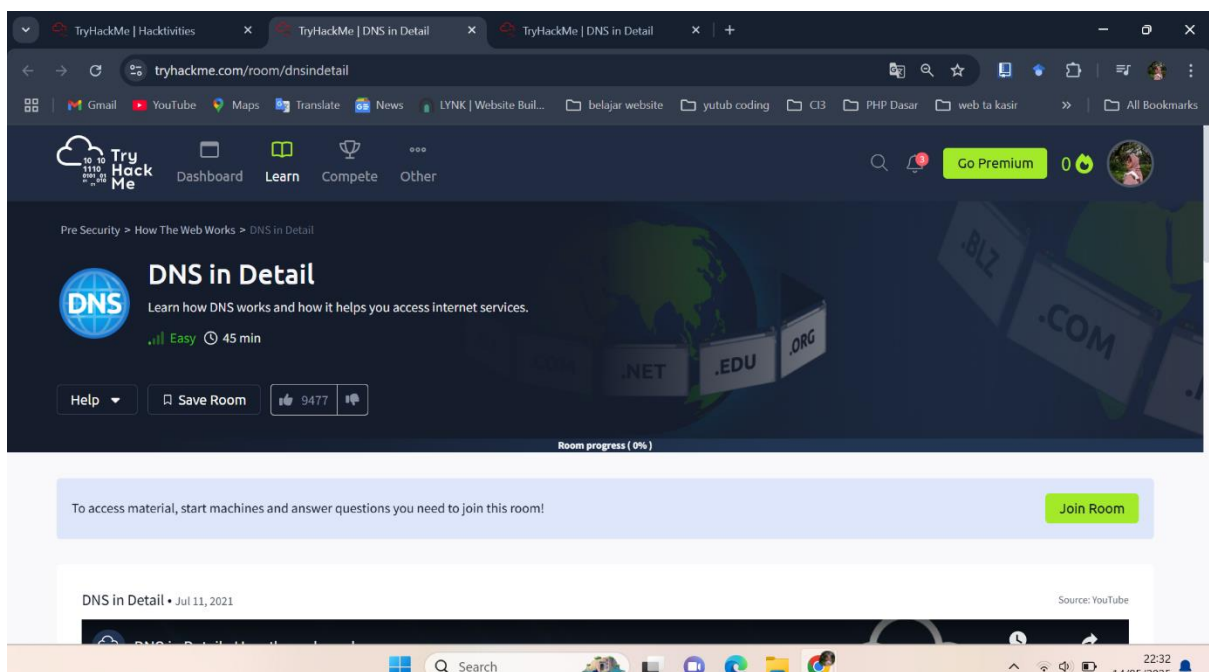
2. Kemudian, kita akan diarahkan kehalaman berikut. Scroll ke bawah dan pilih “Learning Roadmap”. Jika masih bingung tempat “Learn” nya dimana bisa kunjungi link berikut <https://tryhackme.com/hacktivities>



3. Pilihlah opsi “Free Roadmap” dan scroll ke bawah sampai ke Fundamental skills. Kemudian pilih DNS In Detail.



4. Selanjutnya kita akan diarahkan ke halaman berikut ini. Join room dan kerjakan tugas-tugas yang telah diberikan.



5. Task 1

Task 1 What is DNS?

What is DNS?

DNS (Domain Name System) provides a simple way for us to communicate with devices on the internet without remembering complex numbers. Much like every house has a unique address for sending mail directly to it, every computer on the internet has its own unique address to communicate with it called an IP address. An IP address looks like the following 104.26.10.229, 4 sets of digits ranging from 0 - 255 separated by a period. When you want to visit a website, it's not exactly convenient to remember this complicated set of numbers, and that's where DNS can help. So instead of remembering 104.26.10.229, you can remember tryhackme.com instead.

Answer the questions below

What does DNS stand for?

Domain Name System

Correct Answer

6. Task 2

Answer the questions below

What is the maximum length of a subdomain?

63

Correct Answer Hint

Which of the following characters cannot be used in a subdomain (3 b _ -)?

-

Correct Answer

What is the maximum length of a domain name?

253

Correct Answer

What type of TLD is .co.uk?

ccTLD

Correct Answer

7. Task 3

TXT records are free text fields where any text-based data can be stored. TXT records have multiple uses, but some common ones can be to list servers that have the authority to send an email on behalf of the domain (this can help in the battle against spam and spoofed email). They can also be used to verify ownership of the domain name when signing up for third party services.

Answer the questions below

What type of record would be used to advise where to send email?

MX

Correct Answer

What type of record handles IPv6 addresses?

AAAA

Correct Answer

8. Task 4

Answer the questions below

What field specifies how long a DNS record should be cached for?

TTL

Correct Answer

What type of DNS Server is usually provided by your ISP?

recursive

Correct Answer

What type of server holds all the records for a domain?

authoritative

Correct Answer

9. Task 5

Answer the questions below

What is the CNAME of shop.website.thm?

shops.myshopify.com

✓ Correct Answer

🔍 Hint

What is the value of the TXT record of website.thm?

THM[7012BBA60997F35A9516C2E16D2944FF]

✓ Correct Answer

🔍 Hint

What is the numerical priority value for the MX record?

30

✓ Correct Answer

🔍 Hint

What is the IP address for the A record of www.website.thm?

10.10.10.10

✓ Correct Answer

🔍 Hint

10. Kerjakan semua tugas yang diberikan hingga tercentang seperti ini semua.

The screenshot shows a web browser window with the URL `tryhackme.com/room/dnsindetail`. The browser's address bar and tabs are visible. Below the browser window, a green banner indicates "Room completed (100%)". The main content area lists five tasks, each with a green checkmark icon:

- Task 1 ✓ What is DNS?
- Task 2 ✓ Domain Hierarchy
- Task 3 ✓ Record Types
- Task 4 ✓ Making A Request
- Task 5 ✓ Practical

Below the tasks, a dark blue box contains a survey question: "How likely are you to recommend this room to others?". It features a row of ten numbered circles (1-10) and a green "Submit now" button.

11. Jika sudah menyelesaikan tugas semua, maka akan tampil seperti berikut ini

The screenshot shows a confirmation screen for completing the "DNS in Detail" room. At the top, there is a large blue globe icon with the text "DNS" and a green checkmark. Below the icon, the text "Congratulations on completing DNS in Detail!!!" is displayed with a party popper emoji. Underneath, five statistics are shown in dark blue boxes:

- Points earned: 112
- Completed tasks: 5
- Room type: Walkthrough
- Difficulty: Easy
- Streak: 1

At the bottom, there is a "Leave Feedback" button on the left and a "Next" button on the right.