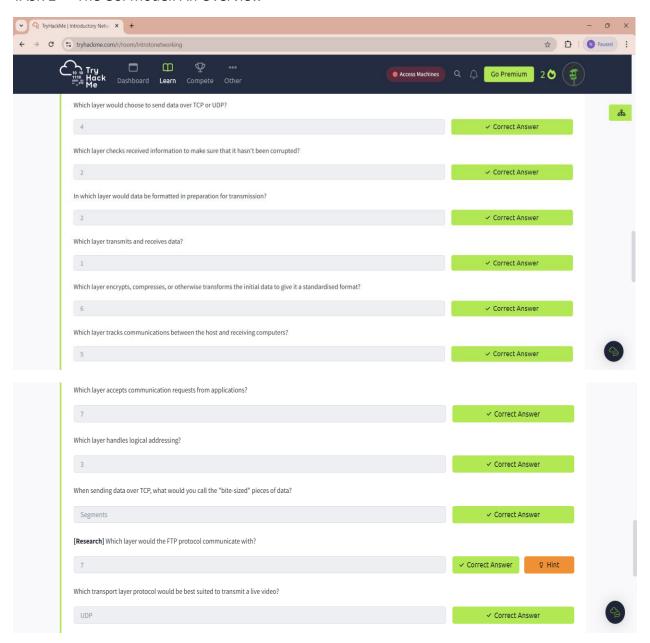NAME - NIKHIL RANJAN ADHA
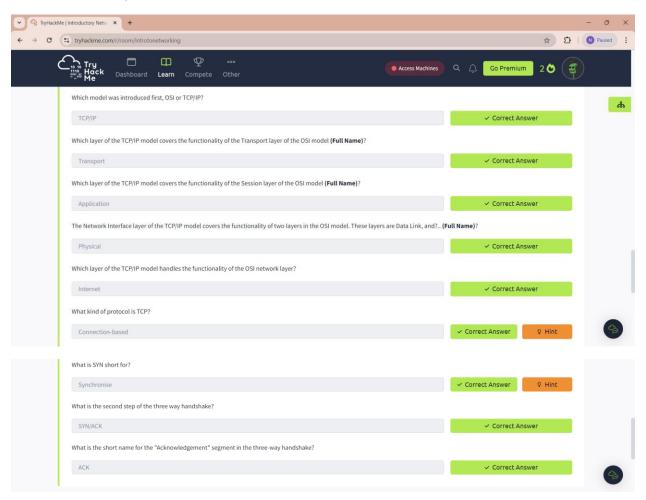
ROLL - 17

TOPIC – INTRODUCTORY NETWORKING(An introduction to networking theory and basic networking tools)
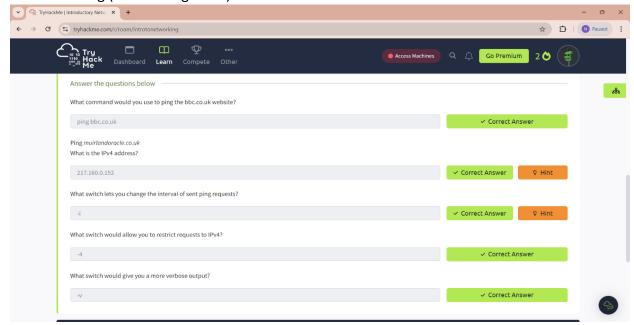
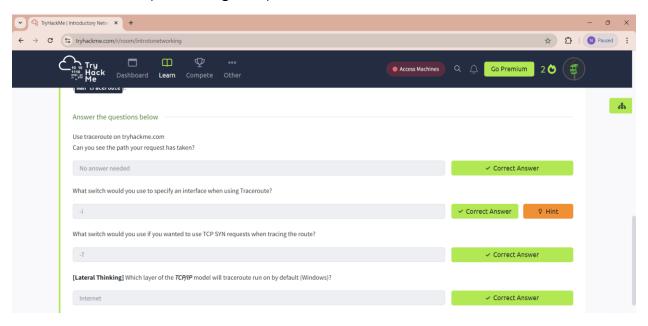TASK 2 -> The OSI Model: An Overview

TASK 4 -> The TCP/IP Model

Which model was introduced first, OSI or TCP/IP?

TCP/IP	✓ Correct Answer

Which layer of the TCP/IP model covers the functionality of the Transport layer of the OSI model **(Full Name)**?

Transport	✓ Correct Answer

Which layer of the TCP/IP model covers the functionality of the Session layer of the OSI model **(Full Name)**?

Application	✓ Correct Answer

The Network Interface layer of the TCP/IP model covers the functionality of two layers in the OSI model. These layers are Data Link, and?.. **(Full Name)**?

Physical	✓ Correct Answer

Which layer of the TCP/IP model handles the functionality of the OSI network layer?

Internet	✓ Correct Answer

What kind of protocol is TCP?

Connection-based	✓ Correct Answer	♀ Hint

What is SYN short for?

Synchronise	✓ Correct Answer	♀ Hint

What is the second step of the three way handshake?

SYN/ACK	✓ Correct Answer

What is the short name for the "Acknowledgement" segment in the three-way handshake?

ACK	✓ Correct Answer

TASK 5 -> Ping (Networking Tools)

Answer the questions below

What command would you use to ping the bbc.co.uk website?

ping bbc.co.uk	✓ Correct Answer

Ping *muirlandoracle.co.uk*
What is the IPv4 address?

217.160.0.152	✓ Correct Answer	♀ Hint

What switch lets you change the interval of sent ping requests?

-i	✓ Correct Answer	♀ Hint

What switch would allow you to restrict requests to IPv4?

-4	✓ Correct Answer

What switch would give you a more verbose output?

-v	✓ Correct Answer

TASK 6 -> Traceroute (Networking Tools)

TASK 7 -> WHOIS (Networking Tools)