



**National Secondary School Programming Contest (NSSPC) 2023**

**第三屆全國中學生  
程式設計競賽**



**國立臺灣大學馬來西亞校友會**



**拉曼大學**

## **Workshop I**

**29 Apr 2023 (Saturday)**

**Chong Hwa High School Kluang**

- 08:40 ~ 09:00 – Open Admission**
- 09:00 ~ 09:15 – Moderator Profile Workshops and Competitions**
- 09:15 ~ 10:45 – Learn programming from real life examples – with Flowchart and Pseudocode - **UTAR Prof. Liew Soung Yue****
- 10:45 ~ 12:00 – How to Harness the Power of Technology in Business  
AMC Future Technology Sdn. Bhd. **Co-CEO Eric Chia****
- 12:00 ~ 13:00 – Lunch Time Break**
- 13:00 ~ 13:30 – Introduction of Learning Platforms**
- 13:30 ~ 15:00 – Common algorithms in programming:  
Searching and Sorting - **UTAR Prof. Liew Soung Yue****




# The best way to learn to code

Courses designed by experts with real-world practice.  
Join our global community. **It's free.**

Start learning now!

or

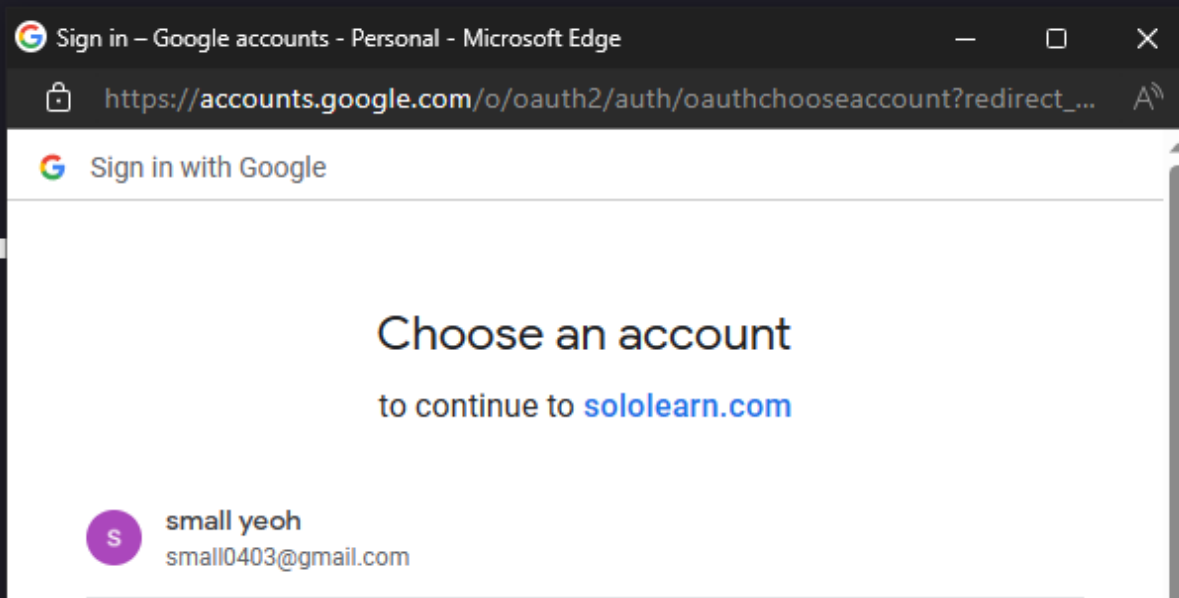
 Google

 Apple

 Facebook

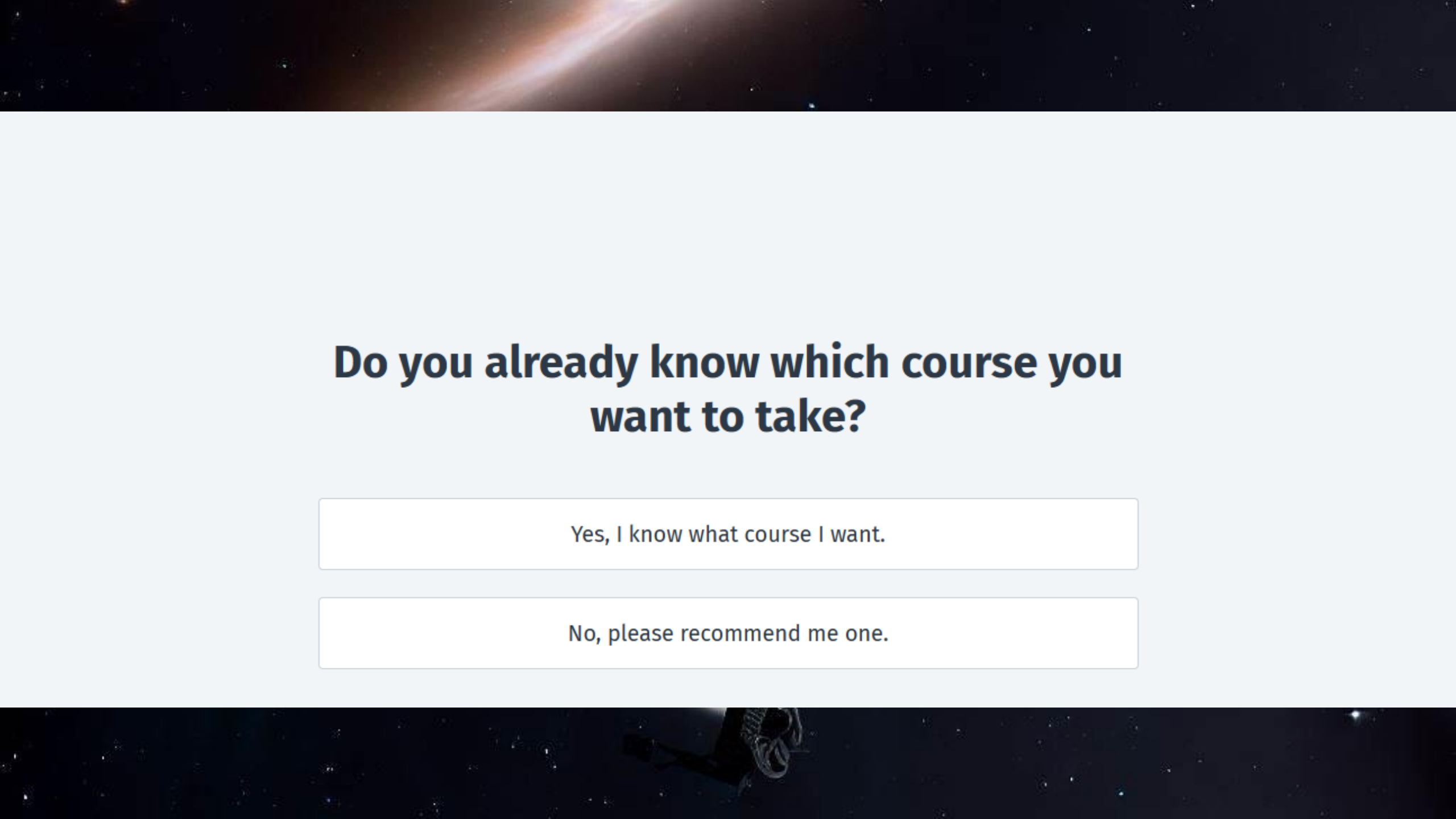


T



Menu





**Do you already know which course you want to take?**

Yes, I know what course I want.

No, please recommend me one.

# Select your first course

Don't worry, you can add as many courses as you want later.



Introduction to  
Python



Introduction to  
C



Introduction to  
C#



Introduction to  
SQL



Introduction to  
HTML



Introduction to  
CSS



Introduction to  
Java



Introduction to  
JavaScript





Introduction to  
Python



Introduction to  
C



Introduction to  
C#



Introduction to  
SQL



Introduction to  
HTML



Introduction to  
CSS



Introduction to  
Java



Introduction to  
JavaScript



C# Intermediate



Introduction to  
C++



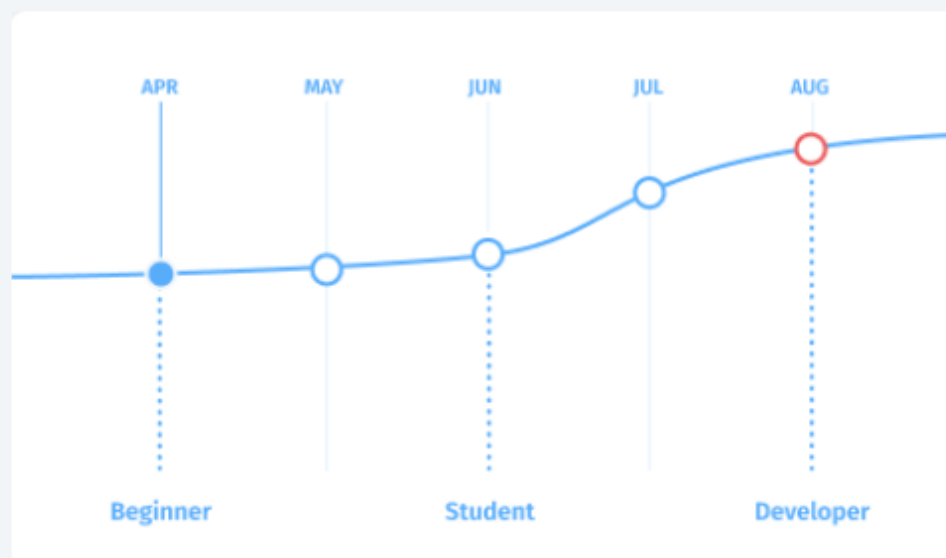
Tech for  
Everyone



Python  
Intermediate

# Introduction to C++ is a great choice!

Remember, learning is often challenging, but some of the most worthwhile things in life are.  
Sololearn is here to help you every step of your journey.



Consistency takes our users to their chosen careers

Continue

# How much coding experience do you have?

I'm totally new to coding

I know a little about coding

I know a lot about coding



# How would you describe yourself?

Hobbyist (This is just a hobby for me, not my whole life)

Business Person (I have technical aspects to my job)


Non-technical Newbie (I'm looking to reskill myself)

Student (With plenty of time to learn)

Technical Professional (I work with code as a dev or data scientist)

# Set a daily learning goal and we'll keep you on track!

Usually 1 lesson takes around 5 minutes.

 Relaxed - 1 lesson a day

 Regular - 2 lessons a day

 Serious - 3 lessons a day

# What's your age?

13 - 18

19 - 24

25 - 34

35 - 44

More than 45

# Hang tight!

Hold on for a few seconds while we're developing your custom learning plan.

✓ **That's all, Programming NTU**

Meet one of our happy users!



*"Sololearn helped me learn to code and land a job in less than a year"*

Jeremy, 23, mobile developer from Chicago, IL



## Awesome! You're all set up

You'll complete the Introduction to C++ course by May 24th.  
Want to learn faster? You can adjust your practice goal later.



LEARN

Introduction to C++



PRACTICE

3 lessons a day



FINISHED BY

24 May

Continue





# Try Sololearn PRO for free

- ✓ 14-day free trial
- ✓ Unlimited coding practice
- ✓ Play with working code
- ✓ Goals and progress tracking
- ✓ No ads and interruptions



## Now

Enjoy full access, no payment needed



## Next 14 days

Enjoy premium learning experience for free.



## Day 14

Your account is charged \$69,99. Cancel anytime before this day.


**START MY 14-DAY FREE TRIAL**



## Programming NTU

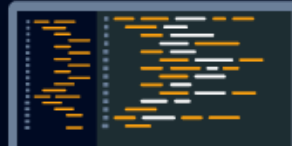
1 Following 0 Followers

★ 0

 Malaysia · Lvl 1

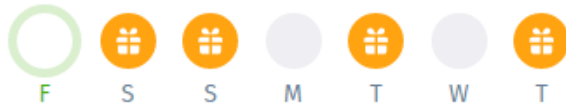
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### Streak



Current Streak

 0 days

Longest Streak

 0 days

### Courses Progress

[Manage](#)



Introduction to C++  
In Progress



[Browse Courses](#)

### Code Bits

You don't have any saved codes yet

[Add New](#)



# Introduction to C++

Learn the basics of this popular coding language. Our C++ course covers basic concepts, data types, arrays, pointers, conditional statements, loops, functions. You don't need any previous coding experience to do this course. We'll explain everything in short, clear, beginner-friendly language.



## Basic Concepts



Lesson



### Getting started with C++

XP +10

Learn

Lesson



### Statements

XP +10

DEMO



# 台湾深度学习团





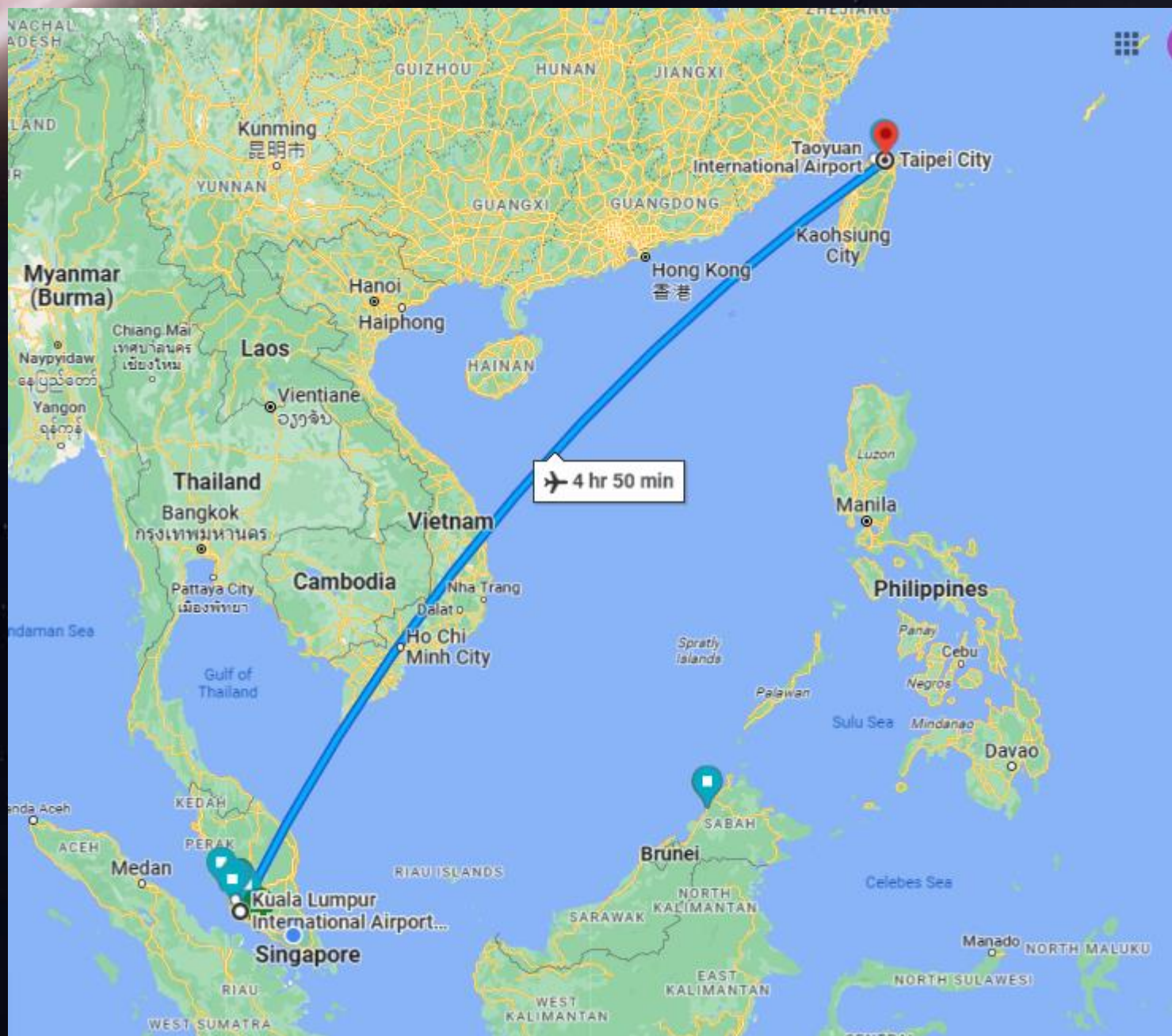


9位

6位

决赛得奖者 学习进步者

随团包括一位中学女老师  
及几位台大校友会理事









# 参加条件

- 需配合出發及回程時間，出發為**2023年12月15日**至**2023年12月24日**，共10天
- 學生、監護人及校方需答應並在同意書上簽名參加深度學習團
- 會先**收取RM2000保證金**（如有違背學習團之團體規則，將酌情從保證金中扣款），並在回到馬來西亞後一個星期內**匯回銀行戶口**
- 此團為團進團出，**不可中途離開學習團**

# 遴选办法 – 得奖者

- 得奖组由决赛优先循序排列（冠军至第30名队伍），若该队伍组员学生没有意願参加深度學習團，则由下一组组员遞補，隊長有優先參與遞補之資格



决赛得奖者

排名	名字	状态	排名	名字	状态
1	A (队长)	参加付保证金	3	H	参加付保证金
1	B	参加付保证金	3	I	参加付保证金
1	C	参加未付保证金	4	J (队长)	参加付保证金
2	D (队长)	不参加	4	K	不参加
2	E	参加付保证金	4	L	不参加
2	F	参加付保证金	。 。 。	。 。 。	参加 (候补)
3	G (队长)	参加付保证金	30	KKK	参加 (候补)

# 遴选办法 – 学习进步者

進步組由**主辦當局臺大馬來西亞校友會**遴選。主要是在程式競賽中建議的學習平台，包括**Sololearn**，**CodeChef**、**Exercism**、**Edabit**、**Codeforce**（若有其他建議學習平台，需提供主辦當局審核後作出裁決是否納入考量）進步者在建議平台(**至少1個平台或以上**)的學習值，並在遞交最後學習值時，需要提供主辦當局在該平台的學習心得一篇（至少半面A4，超过不拘）



学习进步者

姓名	开始日期与经验值	结束日期与经验值	心得
A	8/5/2023 Sololearn 0 CodeChef 0	12/8/2023 Sololearn 60 CodeChef 100	Sololearn ½ page CodeChef 2 pages
B	8/5/2023 Exercism 0 Codeforce 20	8/5/2023 Exercism 30 Codeforce 40	Exercism 2 pages Codeforce 1 page