

Survey 1

* Required

1. Please give your name *

2. Please give your CUHK student ID *

3. Have you enrolled into the Coursera private sessions yet? *

Mark only one oval.

☐ Yes

☐ No

4. After you log into the Coursera private session for Basic Modeling, have you tried clicking on the sidebar to go to the "Discussion Forums" yet? *

Mark only one oval.

☐ Yes

☐ No

5. Once you are in Discussion Forums (see diagram), do you know that the PRIVATE GROUP FORUMS is for Jimmy Lee to welcome you and make announcements? *

The screenshot displays the Coursera interface for a course's Discussion Forums. On the left, a sidebar lists navigation options: Overview, Grades, Notes, Discussion Forums (highlighted with a blue bar), Live Events, Messages, Classmates, and Resources. The main content area features a 'THIS WEEK'S FORUM' section for 'Week 1', which includes a description and a link to '1 threads · Last post 16 hours ago'. Below this is a section titled 'PRIVATE GROUP FORUMS' containing two forum entries: 'Basic Modeling CUHK cohort 1 Forum' with 0 threads, and 'CUHK-JUDYTEST - Basic Modeling for Discrete Optimization Forum' with 1 thread. A search bar and tabs for 'Forums' and 'All Threads' are positioned below the forum list. The bottom section, titled 'DISCUSSION FORUMS', shows a 'Meet and Greet' forum with 0 threads.

Mark only one oval.

- ☐ Yes
- ☐ No

6. Inside Discussion Forums (see diagram), do you know that you can scroll down to see DISCUSSION FORUMS and WEEK FORUMS? *

The screenshot shows the Coursera website interface. On the left is a navigation sidebar with links: Overview, Grades, Notes, Discussion Forums (highlighted), Live Events, Messages, Classmates, and Resources. The main content area is divided into two sections. The top section, titled 'DISCUSSION FORUMS', contains three forum entries: 'Meet and Greet' (0 threads), 'General Discussion' (1 thread), and 'MOOC students required for 1hr research interview' (0 threads). The bottom section, titled 'WEEK FORUMS', contains one entry: 'Week 1' (1 thread). Each entry includes a brief description and a 'Last post' timestamp.

Mark only one oval.

- ☐ Yes
- ☐ No

7. Have you downloaded and installed the MiniZinc IDE yet? *

Mark only one oval.

- ☐ Yes, and checked that it works
- ☐ Yes
- ☐ Downloaded only
- ☐ No
- ☐ What MiniZinc?!

8. How many Module 1 lectures have you watched? *

Mark only one oval.

- ☐ None
- ☐ 1-2
- ☐ 3-4
- ☐ Almost all
- ☐ All

9. Which of the following basic components of a MiniZinc model do you know? Tick as many as you want. *

Check all that apply.

- ☐ Variables
- ☐ Constraints
- ☐ Output statement
- ☐ Objective

10. Do you know the difference between a satisfaction and an optimization problem? *

Mark only one oval.

- ☐ Yes
- ☐ No

11. Do you know how to run MiniZinc with the IDE? *

Mark only one oval.

- ☐ Yes
- ☐ No

12. Do you know how to run MiniZinc at the command line? *

Mark only one oval.

- ☐ Yes
- ☐ No

13. Do you understand enumerated types? *

Mark only one oval.

- ☐ Yes
- ☐ No

14. What are enumerated types used for? Tick as many as you want. *

Check all that apply.

- ☐ Define a new type
- ☐ Define an integer
- ☐ Define a Boolean
- ☐ Define data
- ☐ Provide names for data

15. Do you know the difference between models and instances? *

Mark only one oval.

- ☐ Yes
- ☐ No

16. Do you understand array, iteration and comprehension? *

Mark only one oval.

- ☐ Yes
- ☐ No

17. Can we use variables as array indices in MiniZinc? *

Mark only one oval.

- ☐ Yes
☐ No

18. Which global constraint(s) have you seen in Module 1? Tick as many as you want. *

Check all that apply.

- ☐ cumulative
☐ global_cardinality
☐ all_different
☐ disjunctive
☐ regular

19. How much of Workshop 0 have you attempted? *

Mark only one oval.

- ☐ None
☐ 1 question
☐ 2 questions
☐ 3 questions
☐ All

20. How much of Workshop 0 have you completed? *

Mark only one oval.

- ☐ None
☐ 1 question
☐ 2 questions
☐ 3 questions
☐ All

21. How much of Workshop 1 have you attempted? *

Mark only one oval.

- ☐ None
☐ 1 question
☐ 2 questions
☐ 3 questions
☐ All

22. How much of Workshop 1 have you completed? *

Mark only one oval.

- ☐ None
☐ 1 question
☐ 2 questions
☐ 3 questions
☐ All

23. How much of the MiniZinc tutorial have you read? *

Mark only one oval.

- ☐ None
☐ Some
☐ Chapter 2 in full
☐ Most of it
☐ All of it

24. What would the attached MiniZinc model print? *

```
var 0..3: x;  
var 1..4: y;  
constraint x = y;  
solve satisfy;
```

Mark only one oval.

- ☐ x = 0; y = 0;
☐ x = 1; y = 1;
☐ x = 2; y = 2;
☐ x = 3; y = 3;
☐ =====UNSATISFIABLE=====

25. What would the attached MiniZinc model print? *

```
var 0..3: x;  
constraint x = x + 1;  
solve satisfy;
```

Mark only one oval.

- ☐ x = 0;
☐ x = 1;
☐ x = 2;
☐ x = 3;
☐ =====UNSATISFIABLE=====

26. What would the attached MiniZinc model print? *

```
var 0..3: x;  
constraint 2*x = x + 1;  
solve satisfy;
```

Mark only one oval.

- ☐ x = 0;
☐ x = 1;
☐ x = 2;
☐ x = 3;
☐ =====UNSATISFIABLE=====

27. What would the attached MiniZinc model print? *

```
var 0..3: x;  
var 1..4: y;  
constraint y = x + 1;  
constraint 2*y + 3*x = 12;  
solve satisfy;
```

Mark only one oval.

- ☐ x = 0; y = 0;
☐ x = 1; y = 2;
☐ x = 2; y = 3;
☐ x = 3; y = 4;
☐ =====UNSATISFIABLE=====

28. How much of Assignment 1 have you completed? *

Mark only one oval.

- ☐ What? There is an assignment!?
☐ Seen it.
☐ Thought about it.
☐ Tried it.
☐ Finished it!!

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