

Week10-e-a.html

1. Write JavaScript functions to produce output as per requirements below
2. you are not required to write any CSS styling in the <style> element
3. Hiding and display of elements should be done using JS not CSS!
4. The uses of additional ID attributes are not allowed

When the page is first loaded in the browser:

College Admission Calculator

Please enter the required information

Are you over 25?

select ▼

subject/exam

subject grades

points

reset form

Are you over 25? Dropdown has the following options

College Admission Calculator

Please enter the required information

Are you over 25?

select ▼
select
Under 25
Over 25

subject grades

points

reset form

CHOOSING UNDER 25

College Admission Calculator

Please enter the required information

Are you over 25?

Under 25 ▼

subject/exam

subject grades

points

English Language or Equivalent

☐ GCE O Level ☐ IGCE O level ☐ IELTS

Mathematics

select ▼

select ▼

Relevant subject #1

select ▼

select ▼

Click to show eligibility status

reset form

1. The Mathematics dropdown and its grade are disabled
2. The Relevant subject #1 dropdown and its grade are disabled
3. The eligibility status button is disabled
4. To enable item #1-3, user must select one of the exam types for the English language

CHOOSING ENGLISH LANGUAGE EXAM TYPE

In the screenshot below, GCE O level is selected.

College Admission Calculator

Please enter the required information

Are you over 25?	<div>Under 25</div>		
	subject/exam	subject grades	points
English Language or Equivalent	<input checked="" type="radio"/> GCE O Level <input type="radio"/> IGCE O level <input type="radio"/> IELTS	<div>select</div>	
Mathematics	<div>select</div>	<div>select</div>	
Relevant subject #1	<div>select</div>	<div>select</div>	
<div>Click to show eligibility status</div>			
<div>reset form</div>			

1. The respective English language exam grades are displayed
2. The Mathematics dropdown and its grade are enabled
3. The Relevant subject #1 dropdown and its grade are enabled
4. The eligibility status button is enabled

GRADE AND GRADE POINTS FOR GCE O LEVEL, IGCE O LEVEL, IELTS

GCE O level

subject/exam	subject grades
<input checked="" type="radio"/> GCE O Level <input type="radio"/> IGCE O level <input type="radio"/> IELTS	<div>select</div>
<div>select</div>	<div>select</div>
<div>select</div>	<div>A1</div>
	<div>A2</div>
	<div>B3</div>
	<div>B4</div>
	<div>C5</div>
	<div>C6</div>
	<div>F</div>

IGCE O Level

subject/exam	subject grades
<input type="radio"/> GCE O Level <input checked="" type="radio"/> IGCE O level <input type="radio"/> IELTS	<div>select</div>
<div>select</div>	<div>select</div>
<div>select</div>	<div>A*</div>
	<div>A</div>
	<div>B</div>
	<div>C</div>
	<div>D</div>
	<div>E</div>
	<div>F</div>

IELTS

subject/exam

☐ GCE O Level

☐ IGCE O level

☒ IELTS

select

▼

select

▼

subject grades

select

▼

select

▼

9.0

8.5

8.0

7.5

7.0

6.5

6.0

Below is the table that shows grade and their points according to exam types

EXAMS/GRADES			POINTS
GCE O LEVEL	IGCE O LEVEL	IELTS	
A1	A*	9.0	1
A2	A	8.5	2
B3	B	8.0	3
B4	C	7.5	4
C5	D	7.0	5
C6	E	6.5	6
D7	F	6.0	7

ENTERING SUBJECT AND GRADES

English Language

In the screenshot below, GCE O level is selected.

subject/exam

subject grades

points

English Language or Equivalent

☒ GCE O Level

☐ IGCE O level

☐ IELTS

A1

▼

1

Upon selecting the grade, the points are displayed in the last column. The same applies to selecting the other two subjects.

Mathematics

	subject/exam	subject grades	points
English Language or Equivalent	<input checked="" type="radio"/> GCE O Level <input type="radio"/> IGCE O level <input type="radio"/> IELTS	A1	1
Mathematics	mathematics D	B3	3
Relevant subject #1	select select computer studies computer sciences mathematics D additional mathematics	select	

Click to show eligibility status

reset form

For Mathematics, choosing mathematics D in the dropdown will disable the mathematics D in the relevant subject #1 dropdown. Similarly for additional mathematics.

Relevant subject #1

Relevant subject #1	computer sciences	select select A1 A2 B3 B4 C5 C6 F
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Click to show eligibility status

For computer sciences, the last three grades are disabled.

ELIGIBILITY STATUS

	subject/exam	subject grades	points
English Language or Equivalent	<input checked="" type="radio"/> GCE O Level <input type="radio"/> IGCE O level <input type="radio"/> IELTS	A1	1
Mathematics	mathematics D	B3	3
Relevant subject #1	computer sciences	B4	4
	Eligible		8

Click to show eligibility status

If user enter all the subjects, the total points will be calculated and displayed. If points is ≤ 18 , the text 'Eligible' will be displayed in blue.

Points exceed 18

	subject/exam	subject grades	points
English Language or Equivalent	<input checked="" type="radio"/> GCE O Level <input type="radio"/> IGCE O level <input type="radio"/> IELTS	F ▼	7
Mathematics	mathematics D ▼	F ▼	7
Relevant subject #1	computer studies ▼	C6 ▼	6
Click to show eligibility status	Not Eligible		20

The text 'Not Eligible' will be displayed in red

Not specifying three subjects

	subject/exam	subject grades	points
English Language or Equivalent	<input checked="" type="radio"/> GCE O Level <input type="radio"/> IGCE O level <input type="radio"/> IELTS	F ▼	7
Mathematics	select ▼	select ▼	
Relevant subject #1	computer studies ▼	C6 ▼	6
Click to show eligibility status	You did not specify all subjects!		

The text 'You did not specify all subjects' will be displayed in red

CHANGING SUBJECT AND GRADES AFTER IT HAS BEEN SELECTED/ENTERED

English Language or Equivalent	<input checked="" type="radio"/> GCE O Level <input type="radio"/> IGCE O level <input type="radio"/> IELTS	F ▼	7
Mathematics	mathematics D ▼	B3 ▼	3
Relevant subject #1	computer studies ▼	C6 ▼	6
Click to show eligibility status	Eligible		16

Now user changed the mathematics to Additional mathematics

English Language or Equivalent	<input checked="" type="radio"/> GCE O Level <input type="radio"/> IGCE O level <input type="radio"/> IELTS	F ▼	7
Mathematics	additional mathematics ▼	select ▼	
Relevant subject #1	computer studies ▼	C6 ▼	6
Click to show eligibility status			

1. The mathematics grade reset to original value, select.
2. The mathematics grade's point is cleared
3. The eligibility status text and total points are cleared

User chooses grades for mathematics, B3 and click the eligibility status button

	subject/exam	subject grades	points
English Language or Equivalent	<input checked="" type="radio"/> GCE O Level <input type="radio"/> IGCE O level <input type="radio"/> IELTS	F ▼	7
Mathematics	additional mathematics ▼	B3 ▼	3
Relevant subject #1	computer studies ▼	C6 ▼	6
<input type="button" value="Click to show eligibility status"/>			Eligible 16

Now, user changes the grade from B3 to C6

	subject/exam	subject grades	points
English Language or Equivalent	<input checked="" type="radio"/> GCE O Level <input type="radio"/> IGCE O level <input type="radio"/> IELTS	F ▼	7
Mathematics	additional mathematics ▼	C6 ▼	6
Relevant subject #1	computer studies ▼	C6 ▼	6
<input type="button" value="Click to show eligibility status"/>			

1. The eligibility status text and total points are cleared

Changing exam types and relevant subject #1 and their respective grades will produce similar actions as explained above

CHOOSING OVER 25

When this option is selected, user will only need to enter English language and Mathematics. To be eligible total points must be ≤ 12

While the screen is in this state

College Admission Calculator

Please enter the required information

Are you over 25?	Under 25 ▼		
	subject/exam	subject grades	points
English Language or Equivalent	<input checked="" type="radio"/> GCE O Level <input type="radio"/> IGCE O level <input type="radio"/> IELTS	F ▼	7
Mathematics	additional mathematics ▼	C6 ▼	6
Relevant subject #1	computer studies ▼	C6 ▼	6
<input type="button" value="Click to show eligibility status"/>			Not Eligible 19
			<input type="button" value="reset form"/>

Choose over 25 from the dropdown box

College Admission Calculator

Please enter the required information

Are you over 25?

Over 25 ▼

subject/exam

subject grades

points

English Language or Equivalent

☐ GCE O Level ☐ IGCE O level ☐ IELTS

Mathematics

select ▼

select ▼

Click to show eligibility status

reset form

1. The English language grade is not shown
2. The Mathematics dropdown and its grades are disabled
3. The Eligibility status button is disabled.
4. To display item #1 and enabled item #2-3, user must select one of the exam types for the English language

In the screenshot below, IELTS is selected

Are you over 25?

Over 25 ▼

subject/exam

subject grades

points

English Language or Equivalent

☐ GCE O Level ☐ IGCE O level ☒ IELTS

select ▼

Mathematics

select ▼

select ▼

Click to show eligibility status

ENTER GRADES AND SUBJECT FOR OVER 25

English language

Each exam type has their own grades and points. Please refer to the under 25.

Mathematics

Since there is no relevant subject #1, choosing mathematics D or Additional mathematics will not disable the respective subject in the relevant subject #1.

Are you over 25?

Over 25 ▼

subject/exam

subject grades

points

English Language or Equivalent

☐ GCE O Level ☐ IGCE O level ☒ IELTS

8.5 ▼

2

Mathematics

mathematics D ▼

C6 ▼

6

Click to show eligibility status

Choosing the grade will display the respective points in the next column

CHANGING EXISTING EXAM TYPE AND/OR GRADES AFTER ELIGIBILITY BUTTON HAS BEEN CLICKED

Are you over 25? Over 25

	subject/exam	subject grades	points
English Language or Equivalent	<input type="radio"/> GCE O Level <input type="radio"/> IGCE O level <input checked="" type="radio"/> IELTS	8.5	2
Mathematics	mathematics D	C6	6
Click to show eligibility status Eligible as matured applicants			8

The user changed the English Grade from 8.5 to 6.0

Are you over 25? Over 25

	subject/exam	subject grades	points
English Language or Equivalent	<input type="radio"/> GCE O Level <input type="radio"/> IGCE O level <input checked="" type="radio"/> IELTS	6.0	7
Mathematics	mathematics D	C6	6
Click to show eligibility status			

The eligibility text and total points will be cleared. Similarly, if user change the exam type, mathematics dropdown and mathematics grade.

OVER 25 ELIGIBILITY STATUS

If all subjects are specified and points ≤ 12 , the text 'Eligible as matured applicants' will be displayed in blue along with the total points.

Are you over 25? Over 25

	subject/exam	subject grades	points
English Language or Equivalent	<input type="radio"/> GCE O Level <input type="radio"/> IGCE O level <input checked="" type="radio"/> IELTS	8.5	2
Mathematics	mathematics D	C6	6
Click to show eligibility status Eligible as matured applicants			8

If all subjects are specified and points > 12 , the text 'Not eligible due to points exceed 12' is displayed in red along with the total points.

Are you over 25? Over 25

	subject/exam	subject grades	points
English Language or Equivalent	<input type="radio"/> GCE O Level <input type="radio"/> IGCE O level <input checked="" type="radio"/> IELTS	6.0	7
Mathematics	mathematics D	C6	6
Click to show eligibility status Not Eligible due to points exceed 12			13

While the screen is in this state

College Admission Calculator

Please enter the required information

Are you over 25?	<div>Over 25 ▼</div>		
	subject/exam	subject grades	points
English Language or Equivalent	<input type="radio"/> GCE O Level <input type="radio"/> IGCE O level <input checked="" type="radio"/> IELTS	<div>6.0 ▼</div>	7
Mathematics	<div>mathematics D ▼</div>	<div>C6 ▼</div>	6
<div>Click to show eligibility status</div>	Not Eligible due to points exceed 12		13
			<div>reset form</div>

Change the dropdown from over 25 to under 25 after eligibility status button had been clicked

Are you over 25?	<div>Under 25 ▼</div>		
	subject/exam	subject grades	points
English Language or Equivalent	<input type="radio"/> GCE O Level <input type="radio"/> IGCE O level <input type="radio"/> IELTS		
Mathematics	<div>select ▼</div>	<div>select ▼</div>	
Relevant subject #1	<div>select ▼</div>	<div>select ▼</div>	
<div>Click to show eligibility status</div>			

1. All input returns to their initial states except for the 'Are you over 25?' dropdown.
2. The dropdowns of Mathematics and relevant subject #1 along with their grades will be disabled.
3. The eligibility status button is also disabled.

Enter the required information and click the eligibility status button.

College Admission Calculator

Please enter the required information

Are you over 25?	<div>Under 25 ▼</div>		
	subject/exam	subject grades	points
English Language or Equivalent	<input checked="" type="radio"/> GCE O Level <input type="radio"/> IGCE O level <input type="radio"/> IELTS	<div>A1 ▼</div>	1
Mathematics	<div>mathematics D ▼</div>	<div>A1 ▼</div>	1
Relevant subject #1	<div>additional mathematics ▼</div>	<div>B4 ▼</div>	4
<div>Click to show eligibility status</div>	Eligible		6
			<div>reset form</div>

Next, click the reset form button

College Admission Calculator

Please enter the required information

Are you over 25?

select ▼

subject/exam

subject grades

points

reset form

1. All input return to their initial states
2. The page refreshes and showing only elements as per screenshot