

Basic Array Practise

Refer to the sample solutions to the “Basic Array Practise” programs.

See also tutorials at w3schools.com

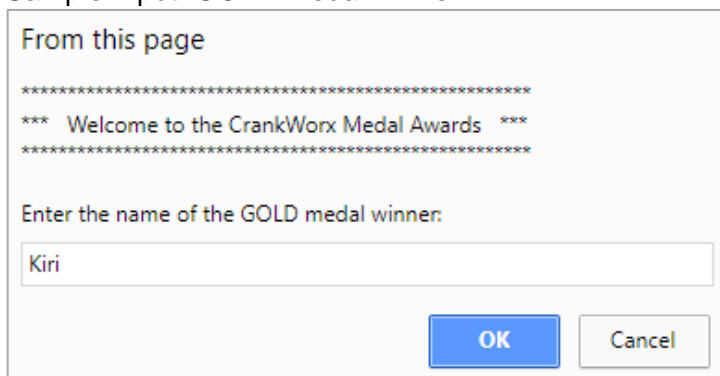
Start with [JavaScript Arrays](#)

1. CrankWorx

Write a program that contains a small array of strings to hold 3 names. The GOLD, SILVER and BRONZE medal winners of CrankWorx 2017. Have the user enter the winners and then ask them which one they wish to display. See screenshots below.

You can write this program without using an if or a switch statement.

Sample Input: GOLD medal winner – Kiri.



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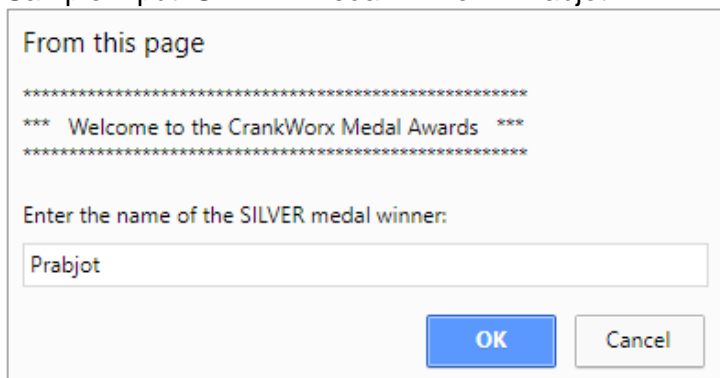
*** Welcome to the CrankWorx Medal Awards ***

Enter the name of the GOLD medal winner:

Kiri

OK Cancel

Sample Input: SILVER medal winner – Prabjot.



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*** Welcome to the CrankWorx Medal Awards ***

Enter the name of the SILVER medal winner:

Prabjot

OK Cancel

Sample Input: BRONZE medal winner – Hemi.

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*** Welcome to the CrankWorx Medal Awards ***

Enter the name of the BRONZE medal winner:

Sample Input: Question and Answer – 2.

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Which medal holder would you like to see dsplayed?

Sample Output: Medal winner (2) - Prabjot

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That medal winner is: Prabjot

For the output you can use a “confirm(...)” or an “alert(...)” statement.

2. Names

Write a program that asks the user to enter in 5 names, which are to be stored in an array, and then display the first and last name. Output to the browser console.

Sample Input: First name entered - Ngaire

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Enter 5 names.
Enter name 1:

Sample Input: Second name entered - Wiremu

From this page

Enter 5 names.
Enter name 2:

Sample Input: Third name entered – Karamjeet

From this page

Enter 5 names.
Enter name 3:

Sample Input: Fourth name entered – Alex

From this page

Enter 5 names.
Enter name 4:

Sample Input: Fifth name entered - Priyanka

From this page

Enter 5 names.
Enter name 5:

Sample Output (Browser Console):

1. Ngaire
2. Wiremu
3. Karamjeet
4. Alex
5. Priyanka
The first name entered is : Ngaire
The last name entered is : Priyanka

3. Raffle

Write a program, which stores 20 names for 20 raffle tickets sold. These names are to be put into the array at the time of declaration. The program is to then pick a winning name at random and display it on the screen, saying "The winning ticket number is ..."

Use "node" to run the program in the VS Code Terminal,

eg. `node raffle.js`

```
The 20 raffle tickets:
Ticket 1: Wiremu
Ticket 2: Hemi
Ticket 3: Alex
Ticket 4: Kahu
Ticket 5: Karamjeet
Ticket 6: Ngairi
Ticket 7: Prabjot
Ticket 8: Janet
Ticket 9: Kim
Ticket 10: Hinewai
Ticket 11: Henare
Ticket 12: Vikram
Ticket 13: David
Ticket 14: Hohepa
Ticket 15: Arnav
Ticket 16: Chloe
Ticket 17: Sharon
Ticket 18: Saanvi
Ticket 19: Zoya
Ticket 20: Pounamu

The winning ticket number is: 8

*****
The winner of $1,000,000 is Janet
*****
```

Hint:

You will need to use the "Math.floor()" and the "Math.random()" methods.

4. Translator

Write a program containing an array that holds 5 strings (Hello translations in 5 different languages). Pre-set these when declaring the array. Ask the user in which language they wish to see HELLO in.

NOTE:

- You can do this without using an “if” or a “switch” statement.
- Use “confirm(...)” or “alert(...)” for output.

Translations:

English
Hello

Maori
Kia ora

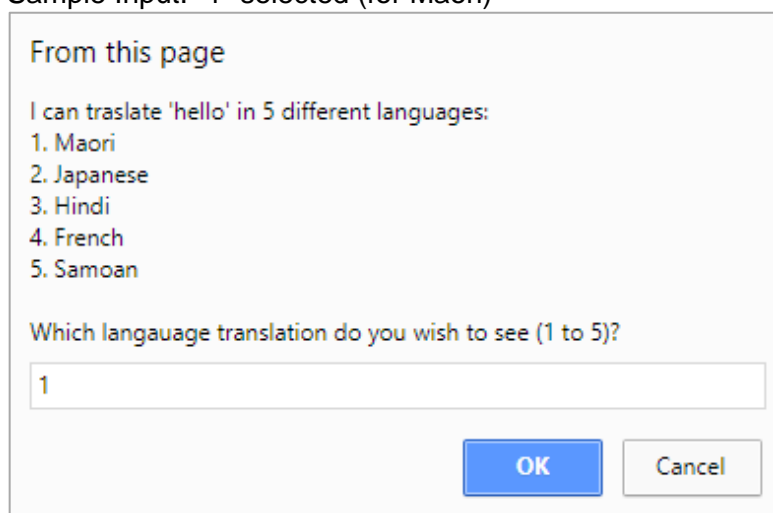
Japanese
Kon'nichiwa

Hindi
Namaste

French
Bonjour

Samoan
Talofa

Sample Input: “1” selected (for Maori)



From this page

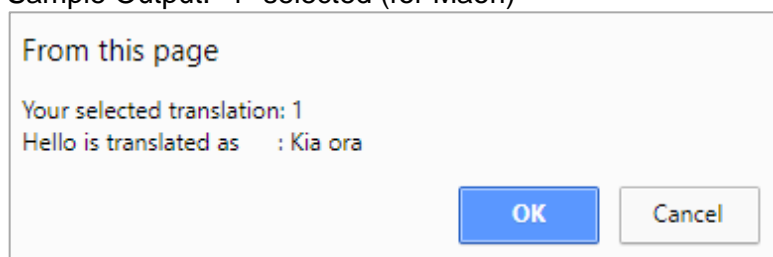
I can traslate 'hello' in 5 different languages:

1. Maori
2. Japanese
3. Hindi
4. French
5. Samoan

Which langauage translation do you wish to see (1 to 5)?

OK Cancel

Sample Output: “1” selected (for Maori)



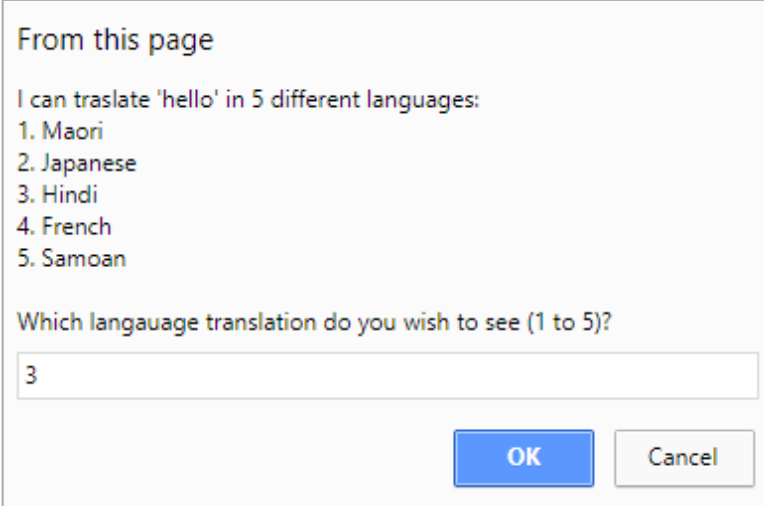
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Your selected translation: 1

Hello is translated as : Kia ora

OK Cancel

Sample Input: "3" selected (for Hindi)



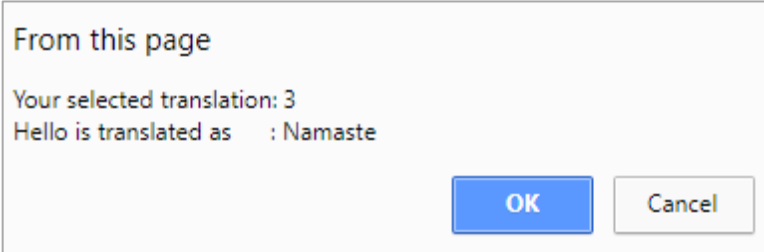
From this page

I can traslate 'hello' in 5 different languages:

1. Maori
2. Japanese
3. Hindi
4. French
5. Samoan

Which langauage translation do you wish to see (1 to 5)?

Sample Output: "3" selected (for Hindi)



From this page

Your selected translation: 3

Hello is translated as : Namaste