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INTRODUCTION

In this session, you will be continuing the development of the Marathon Skills 2015 application.   
In this session, you will be finding the prime number in the all ages of runner. And display that.

In this session, you will be checking FirstName or LastName of users is a palindrome? And display that.

INSTRUCTIONS TO THE COMPETITOR

By the end of this session, you will need to have the following deliverables ready to submit so that the Marathon Skills system will be finished on time.

Make sure that you follow the provided style guide throughout all parts of the system.

Make sure that you provide appropriate validation and error messages throughout all parts of the system.

Make sure that all relevant buttons/links are working at the end of the session.

Make sure that you use appropriate naming conventions for all parts of the system as needed.

DELIVERABLES

1. CREATE “THE WONDERS OF NUMBER AND STRING IN MARATHON SCREEN”

Create the window as outlined in “THE WONDERS OF NUMBER AND STRING IN MARATHON SCREEN” in the wireframe.

1.1 Create button “**DISPLAY AGE OF RUNNER IS A PRIME NUMBER**”, to shows grid table about information of runner is of an age that is a prime number, for age of runners will calculate based on DateOfBirth and Current date.

The table grid must fill color of each row, the condition for fill color:

* If gender is male, must fill color of row in “LightGreen” color
* If gender is female, must fill color of row in “MistyRose” color.

1.2 Create button “**DISPLAY STRING OF USER IS A PALINDROME**”, to shows grid table about information table user, to check whether a string of FirstName or LastName is a palindrome?, if FirstName or LastName is a palindrome, to shows grid table about list of user is a palindrome only. A palindrome is any "word" which is the same forward and backward.

The table grid must fill color, the condition for fill color:

* If FirstName only is a palindrome, must fill color of cell in “PaleGreen” color.
* If LastName only is a palindrome, must fill color of cell in “PaleTurquoise” color.
* If FirstName and LastName is a palindrome, must fill color of row in “AntiqueWhite” color.