

## Exercise Summary

We will change the dice rolling game slightly. Here are the changes:

- The player selects a number between 1-6 before a roll
- 6 dice are always rolled per attempt
- The player's total for that game equals how many times that number was revealed in the roll
- We will use a cookie to store a running game total, until s/he decides to start a new round, at that point the game will clear the running game total

## Starter Files and Beginning Code

- Please download **diceGameStarter.zip** and extract it to the htdocs folder
- We will add code to this project together to begin the game strategy. By the end of the in-class coding, your game will be able to roll the dice and see how many matches the player has in one roll.

## Your Challenge Today!

- Create a cookie, called **DiceGameTotal**. It should store the overall total of hits that the player finds in his/her roll(s), and it should persist for 3 hours. This cookie needs to be accessible within all pages in the **diceGameStarter** folder/subfolders, but not across localhost. Research the help content in <http://php.net/manual/en/function.setcookie.php> to see how to persist a cookie with a project folder.
- Output the results to the user and offer the player a change to roll again (go back to the index page), or clear the game total and start a new round (navigate to refreshGame.php). Here are sample figures for the first roll and then one subsequent roll:

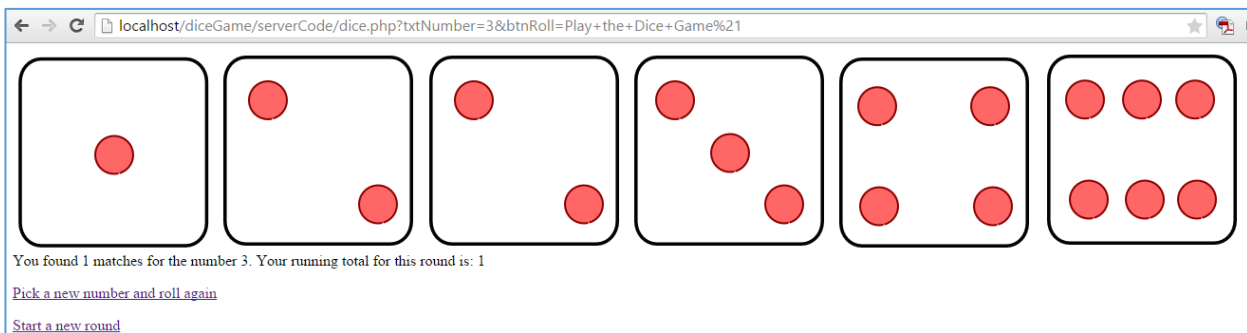


Figure 1: First roll of dice searching for the number, 3

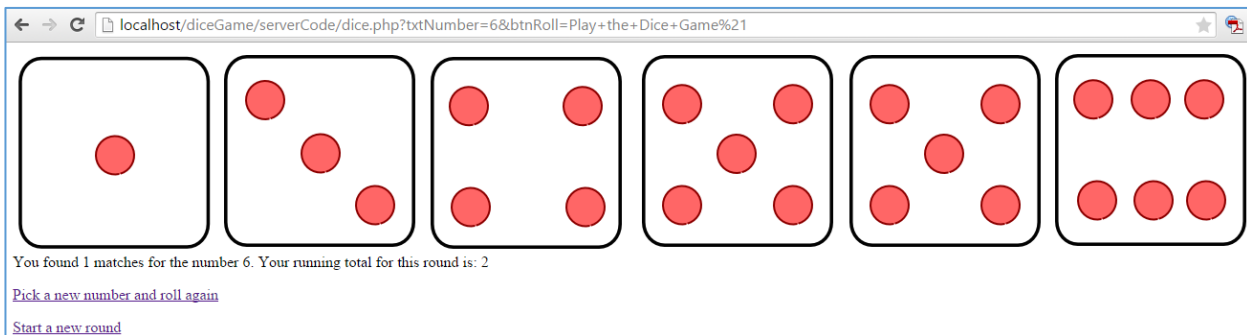


Figure 2: Second roll of dice searching for the number, 6

- Add code to the **index** page to see if the cookie, **DiceGameTotal**, exists. If the cookie exists, output the player's running total with a link to start a new round, which navigates them to **refreshGame.php** (see Figures 3 and 4)

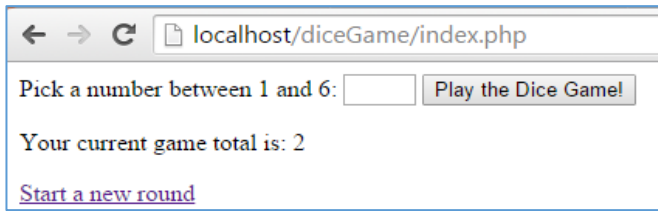


Figure 3: The cookie, **DiceGameTotal**, is set, so the running total and hyperlink to start a new round should appear

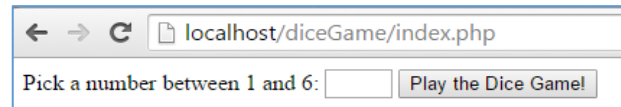


Figure 4: The cookie, **DiceGameTotal**, does not exist

- Add code to **refreshGame.php** so that it deletes the cookie, **DiceGameTotal**, from the **diceGameStarter** folder/subfolders, then it should redirect the player back to the index page. You will need to do some research on how to redirect using the **location property** using **header method** to do this.

**\*\* END OF EXERCISE. TEST YOUR WORK AND CALL YOUR INSTRUCTOR OVER TO REVIEW YOUR CODE \*\***