PowerShell Scripting for Kids

Project 2 – Magic 8 Ball

This project has four steps. First, ask the user what their question is, save it to a variable and repeat the question back to the user. Second, we will define an array of 20 responses. Third, we will select a random number between 0 and 19. Fourth and finally, we will select that response from our array and tell it to the user.

1. Open the template file for project 2 in the PowerShell ISE. This can be done by clicking the folder icon  and navigating to the file.
2. Get the question from the user and repeat it back to them.
   1. On line 6 write a read-host command asking the user what their question is and save it to a variable called $question.
   2. On line 9 write a write-output command which will repeat the question back to the user.
   3. On line 12 write a write-output command that will tell the user “The answer is coming into focus…”
3. On line 15, create an array called $responses containing the twenty responses from the classic Magic 8 Ball toy, which are listed below (NOTE: DO NOT INCLUDE THE ‘ IN THE MIDDLE OF THE WORD DON’T OR IT WILL BREAK YOUR SCRIPT):
   1. 'It is certain'
   2. 'It is decidedly so'
   3. 'Without a doubt'
   4. 'Yes definitely'
   5. 'You may rely on it'
   6. 'As I see it, yes'
   7. 'Most likely'
   8. 'Outlook good'
   9. 'Yes'
   10. 'Signs point to yes'
   11. 'Reply hazy try again'
   12. 'Ask again later'
   13. 'Better not tell you now'
   14. 'Cannot predict now'
   15. 'Concentrate and ask again'
   16. 'Dont count on it'
   17. 'My reply is no'
   18. 'My sources say no'
   19. 'Outlook not so good'
   20. 'Very doubtful'
4. On line 39, use the Get-Random cmdlet to generate a number between 0 and 19 and save it as a variable called $num.
   1. (Remember that the get-random cmdlet never picks the highest number, so set the maximum parameter to 20)
5. On line 42, define a variable called $answer that is equal to the index number from our array that is equal to the random number generated.
   1. (remember how to call a specific index number? $arrayname[$indexnumber])
6. Finally, on line 45, use the write-output cmdlet to tell the user the answer.
7. When finished, press the play button  to load the script.
8. In the console pane, type Shake-Magic8Ball to call the function and test your code.
9. Congratulations! You just wrote your second PowerShell script!!