**Who Wants to Be a Millionaire Algorithm**

* Declare String variables: name, answer1, and playAgain
* Declare integer variables: prize, lifeline1, lifline2, lifeline3, random, poll1, poll2, poll3, winpoll, max
* Initialize prize to zero
* Initialize lifeline1, lifeline2, and lifeline3 to one
* Do while the user has not as yet entered ‘q’ or ‘n’
  + Prompt and input the user’s name and store value into variable
  + Print the rules of the game and list of [3] lifelines at the user’s disposal, with the user’s name
  + Do while the random number is greater than 3 or less than 1
    - Generate random integers in the interval from 1 to 3
  + *LEVEL 1: $100*
  + If the random integer is 1
    - Do while the answer is not the following choices given, quit ‘q’, or one of the lifelines available (1, 2, or 3) – not valid
      * Prompt the user to answer the first option question for the first level, along with the four choices
      * Print the lifelines options
      * Input the user’s answer
      * Do while the answer is not correct
        + If the user’s input is not the following choices given, quit ‘q’, or one of the lifeline options

Print a message that the user’s input is invalid

Input user’s answer until it is valid

* + - * + Else if the user’s input is incorrect or ‘q’

Print a message that the user’s input is incorrect, and their earnings so far

Delay for three seconds (3000 milliseconds)

Break out of loop

* + - * + Else if the lifeline has been entered again

Print a message to tell the user their input is invalid, and the user cannot have the lifeline printed again

Input user’s input into answer1 until it is valid

* + - * + Else if user enters 1 (50/50)

Print the two options—one correct and one incorrect

Set lifeline1 equal to zero

Input user’s input into answer1 until it is valid

* + - * + Else if the user enters 2 (Poll the Audience)

Generate random number with variable winpoll, ranging from 30 to 60

poll2 = (int) (Math.random() \* max); //randomize the polls

max = max - poll2; //calculate for the new maximum number

poll3 = 100-(poll1+poll2+winpoll); //calculate the remainder

Set max to equal 100 minus winpoll

Generate random number with variable poll1, ranging from 0 to the value of max

Set max to equal max minus poll1

Generate random number with variable poll2, ranging from 0 to the value of max

Set max to equal max minus poll2

Set poll3 equal to 100 minus the total of the previous poll values

Print the choices with random percentages (the right answers are weighed more) of what the audience think the answer is

Set lifeline2 equal to zero

Input user’s input into answer1 until it is valid

* + - * + Else if the user enters 3 (Ask An Expert)

Print the opinion of a professor from Eastern University on the question/topic

Set lifeline3 equal to zero

Input user’s input into answer1 until it is valid

* + - * Print their total winnings when they answer the question correctly
      * Set prize equal to 100
  + Else if the random integer is 2
    - Do while the answer is not the following choices given, quit ‘q’, or one of the lifelines available (1, 2, or 3) – not valid
      * Prompt the user to answer the second option question for the first level, along with the four choices
      * Print the lifelines options
      * Input the user’s answer
      * Do while the answer is not correct
        + If the user’s input is not the following choices given, quit ‘q’, or one of the lifeline options

Print a message that the user’s input is invalid

Input user’s answer until it is valid

* + - * + Else if the user’s input is incorrect or ‘q’

Print a message that the user’s input is incorrect, and their earnings so far

Delay for three seconds (3000 milliseconds)

Break out of loop

* + - * + Else if the lifeline has been entered again

Print a message to tell the user their input is invalid, and the user cannot have the lifeline printed again

Input user’s input into answer1 until it is valid

* + - * + Else if user enters 1 (50/50)

Print the two options—one correct and one incorrect

Set lifeline1 equal to zero

Input user’s input into answer1 until it is valid

* + - * + Else if the user enters 2 (Poll the Audience)

Generate random number with variable winpoll, ranging from 30 to 60

Set max to equal 100 minus winpoll

Generate random number with variable poll1, ranging from 0 to the value of max

Set max to equal max minus poll1

Generate random number with variable poll2, ranging from 0 to the value of max

Set max to equal max minus poll2

Set poll3 equal to 100 minus the total of the previous poll values

Print the choices with percentages of what the audience think the answer is

Set lifeline2 equal to zero

Input user’s input into answer1 until it is valid

* + - * + Else if the user enters 3 (Ask An Expert)

Print the opinion of a professor from Eastern University on the question/topic

Set lifeline3 equal to zero

Input user’s input into answer1 until it is valid

* + - * Print their total winnings when they answer the question correctly
      * Set prize equal to 100
  + Else if the random integer is 3
    - Do while the answer is not the following choices given, quit ‘q’, or one of the lifelines available (1, 2, or 3) – not valid
      * Prompt the user to answer the third option question for the first level, along with the four choices
      * Print the lifelines options
      * Input the user’s answer
      * Do while the answer is not correct
        + If the user’s input is not the following choices given, quit ‘q’, or one of the lifeline options

Print a message that the user’s input is invalid

Input user’s answer until it is valid

* + - * + Else if the user’s input is incorrect or ‘q’

Print a message that the user’s input is incorrect, and their earnings so far

Delay for three seconds (3000 milliseconds)

Break out of loop

* + - * + Else if the lifeline has been entered again

Print a message to tell the user their input is invalid, and the user cannot have the lifeline printed again

Input user’s input into answer1 until it is valid

* + - * + Else if user enters 1 (50/50)

Print the two options—one correct and one incorrect

Set lifeline1 equal to zero

Input user’s input into answer1 until it is valid

* + - * + Else if the user enters 2 (Poll the Audience)

Generate random number with variable winpoll, ranging from 30 to 60

Set max to equal 100 minus winpoll

Generate random number with variable poll1, ranging from 0 to the value of max

Set max to equal max minus poll1

Generate random number with variable poll2, ranging from 0 to the value of max

Set max to equal max minus poll2

Set poll3 equal to 100 minus the total of the previous poll values

Print the choices with random percentages (the right answers are weighed more) of what the audience think the answer is

Set lifeline2 equal to zero

Input user’s input into answer1 until it is valid

* + - * + Else if the user enters 3 (Ask An Expert)

Print the opinion of a professor from Eastern University on the question/topic

Set lifeline3 equal to zero

Input user’s input into answer1 until it is valid

* + - * Print their total winnings when they answer the question correctly
      * Set prize equal to 100
  + *LEVEL* **2***: $***200**
  + If the random integer is 1
    - Do while the answer is not the following choices given, quit ‘q’, or one of the lifelines available (1, 2, or 3) – not valid
      * Prompt the user to answer the **first** option question for the **second** level, along with the four choices
      * Print the lifelines options
      * Input the user’s answer
      * Do while the answer is not correct
        + If the user’s input is not the following choices given, quit ‘q’, or one of the lifeline options

Print a message that the user’s input is invalid

Input user’s answer until it is valid

* + - * + Else if the user’s input is incorrect or ‘q’

Print a message that the user’s input is incorrect, and their earnings so far

Delay for three seconds (3000 milliseconds)

Break out of loop

* + - * + Else if the lifeline has been entered again

Print a message to tell the user their input is invalid, and the user cannot have the lifeline printed again

Input user’s input into answer1 until it is valid

* + - * + Else if user enters 1 (50/50)

Print the two options—one correct and one incorrect

Set lifeline1 equal to zero

Input user’s input into answer1 until it is valid

* + - * + Else if the user enters 2 (Poll the Audience)

Generate random number with variable winpoll, ranging from 30 to 60

Set max to equal 100 minus winpoll

Generate random number with variable poll1, ranging from 0 to the value of max

Set max to equal max minus poll1

Generate random number with variable poll2, ranging from 0 to the value of max

Set max to equal max minus poll2

Set poll3 equal to 100 minus the total of the previous poll values

Print the choices with random percentages (the right answers are weighed more) of what the audience think the answer is

Set lifeline2 equal to zero

Input user’s input into answer1 until it is valid

* + - * + Else if the user enters 3 (Ask An Expert)

Print the opinion of a professor from Eastern University on the question/topic

Set lifeline3 equal to zero

Input user’s input into answer1 until it is valid

* + - * Print their total winnings when they answer the question correctly
      * Set prize equal to **200**
  + Else if the random integer is 2
    - Do while the answer is not the following choices given, quit ‘q’, or one of the lifelines available (1, 2, or 3) – not valid
      * Prompt the user to answer the **second** option question for the **second** level, along with the four choices
      * Print the lifelines options
      * Input the user’s answer
      * Do while the answer is not correct
        + If the user’s input is not the following choices given, quit ‘q’, or one of the lifeline options

Print a message that the user’s input is invalid

Input user’s answer until it is valid

* + - * + Else if the user’s input is incorrect or ‘q’

Print a message that the user’s input is incorrect, and their earnings so far

Delay for three seconds (3000 milliseconds)

Break out of loop

* + - * + Else if the lifeline has been entered again

Print a message to tell the user their input is invalid, and the user cannot have the lifeline printed again

Input user’s input into answer1 until it is valid

* + - * + Else if user enters 1 (50/50)

Print the two options—one correct and one incorrect

Set lifeline1 equal to zero

Input user’s input into answer1 until it is valid

* + - * + Else if the user enters 2 (Poll the Audience)

Generate random number with variable winpoll, ranging from 30 to 60

Set max to equal 100 minus winpoll

Generate random number with variable poll1, ranging from 0 to the value of max

Set max to equal max minus poll1

Generate random number with variable poll2, ranging from 0 to the value of max

Set max to equal max minus poll2

Set poll3 equal to 100 minus the total of the previous poll values

Print the choices with random percentages (the right answers are weighed more) of what the audience think the answer is

Set lifeline2 equal to zero

Input user’s input into answer1 until it is valid

* + - * + Else if the user enters 3 (Ask An Expert)

Print the opinion of a professor from Eastern University on the question/topic

Set lifeline3 equal to zero

Input user’s input into answer1 until it is valid

* + - * Print their total winnings when they answer the question correctly
      * Set prize equal to **200**
  + Else if the random integer is 3
    - Do while the answer is not the following choices given, quit ‘q’, or one of the lifelines available (1, 2, or 3) – not valid
      * Prompt the user to answer the **third** option question for the **second** level, along with the four choices
      * Print the lifelines options
      * Input the user’s answer
      * Do while the answer is not correct
        + If the user’s input is not the following choices given, quit ‘q’, or one of the lifeline options

Print a message that the user’s input is invalid

Input user’s answer until it is valid

* + - * + Else if the user’s input is incorrect or ‘q’

Print a message that the user’s input is incorrect, and their earnings so far

Delay for three seconds (3000 milliseconds)

Break out of loop

* + - * + Else if the lifeline has been entered again

Print a message to tell the user their input is invalid, and the user cannot have the lifeline printed again

Input user’s input into answer1 until it is valid

* + - * + Else if user enters 1 (50/50)

Print the two options—one correct and one incorrect

Set lifeline1 equal to zero

Input user’s input into answer1 until it is valid

* + - * + Else if the user enters 2 (Poll the Audience)

Generate random number with variable winpoll, ranging from 30 to 60

Set max to equal 100 minus winpoll

Generate random number with variable poll1, ranging from 0 to the value of max

Set max to equal max minus poll1

Generate random number with variable poll2, ranging from 0 to the value of max

Set max to equal max minus poll2

Set poll3 equal to 100 minus the total of the previous poll values

Print the choices with random percentages (the right answers are weighed more) of what the audience think the answer is

Set lifeline2 equal to zero

Input user’s input into answer1 until it is valid

* + - * + Else if the user enters 3 (Ask An Expert)

Print the opinion of a professor from Eastern University on the question/topic

Set lifeline3 equal to zero

Input user’s input into answer1 until it is valid

* + - * Print their total winnings when they answer the question correctly
      * Set prize equal to **200**
  + *LEVEL* **3***: $***300**
  + If the random integer is 1
    - Do while the answer is not the following choices given, quit ‘q’, or one of the lifelines available (1, 2, or 3) – not valid
      * Prompt the user to answer the **first** option question for the **third** level, along with the four choices
      * Print the lifelines options
      * Input the user’s answer
      * Do while the answer is not correct
        + If the user’s input is not the following choices given, quit ‘q’, or one of the lifeline options

Print a message that the user’s input is invalid

Input user’s answer until it is valid

* + - * + Else if the user’s input is incorrect or ‘q’

Print a message that the user’s input is incorrect, and their earnings so far

Delay for three seconds (3000 milliseconds)

Break out of loop

* + - * + Else if the lifeline has been entered again

Print a message to tell the user their input is invalid, and the user cannot have the lifeline printed again

Input user’s input into answer1 until it is valid

* + - * + Else if user enters 1 (50/50)

Print the two options—one correct and one incorrect

Set lifeline1 equal to zero

Input user’s input into answer1 until it is valid

* + - * + Else if the user enters 2 (Poll the Audience)

Generate random number with variable winpoll, ranging from 30 to 60

Set max to equal 100 minus winpoll

Generate random number with variable poll1, ranging from 0 to the value of max

Set max to equal max minus poll1

Generate random number with variable poll2, ranging from 0 to the value of max

Set max to equal max minus poll2

Set poll3 equal to 100 minus the total of the previous poll values

Print the choices with random percentages (the right answers are weighed more) of what the audience think the answer is

Set lifeline2 equal to zero

Input user’s input into answer1 until it is valid

* + - * + Else if the user enters 3 (Ask An Expert)

Print the opinion of a professor from Eastern University on the question/topic

Set lifeline3 equal to zero

Input user’s input into answer1 until it is valid

* + - * Print their total winnings when they answer the question correctly
      * Set prize equal to **300**
  + Else if the random integer is 2
    - Do while the answer is not the following choices given, quit ‘q’, or one of the lifelines available (1, 2, or 3) – not valid
      * Prompt the user to answer the **second** option question for the **third** level, along with the four choices
      * Print the lifelines options
      * Input the user’s answer
      * Do while the answer is not correct
        + If the user’s input is not the following choices given, quit ‘q’, or one of the lifeline options

Print a message that the user’s input is invalid

Input user’s answer until it is valid

* + - * + Else if the user’s input is incorrect or ‘q’

Print a message that the user’s input is incorrect, and their earnings so far

Delay for three seconds (3000 milliseconds)

Break out of loop

* + - * + Else if the lifeline has been entered again

Print a message to tell the user their input is invalid, and the user cannot have the lifeline printed again

Input user’s input into answer1 until it is valid

* + - * + Else if user enters 1 (50/50)

Print the two options—one correct and one incorrect

Set lifeline1 equal to zero

Input user’s input into answer1 until it is valid

* + - * + Else if the user enters 2 (Poll the Audience)

Generate random number with variable winpoll, ranging from 30 to 60

Set max to equal 100 minus winpoll

Generate random number with variable poll1, ranging from 0 to the value of max

Set max to equal max minus poll1

Generate random number with variable poll2, ranging from 0 to the value of max

Set max to equal max minus poll2

Set poll3 equal to 100 minus the total of the previous poll values

Print the choices with random percentages (the right answers are weighed more) of what the audience think the answer is

Set lifeline2 equal to zero

Input user’s input into answer1 until it is valid

* + - * + Else if the user enters 3 (Ask An Expert)

Print the opinion of a professor from Eastern University on the question/topic

Set lifeline3 equal to zero

Input user’s input into answer1 until it is valid

* + - * Print their total winnings when they answer the question correctly
      * Set prize equal to **300**
  + Else if the random integer is 3
    - Do while the answer is not the following choices given, quit ‘q’, or one of the lifelines available (1, 2, or 3) – not valid
      * Prompt the user to answer the **third** option question for the **third** level, along with the four choices
      * Print the lifelines options
      * Input the user’s answer
      * Do while the answer is not correct
        + If the user’s input is not the following choices given, quit ‘q’, or one of the lifeline options

Print a message that the user’s input is invalid

Input user’s answer until it is valid

* + - * + Else if the user’s input is incorrect or ‘q’

Print a message that the user’s input is incorrect, and their earnings so far

Delay for three seconds (3000 milliseconds)

Break out of loop

* + - * + Else if the lifeline has been entered again

Print a message to tell the user their input is invalid, and the user cannot have the lifeline printed again

Input user’s input into answer1 until it is valid

* + - * + Else if user enters 1 (50/50)

Print the two options—one correct and one incorrect

Set lifeline1 equal to zero

Input user’s input into answer1 until it is valid

* + - * + Else if the user enters 2 (Poll the Audience)

Generate random number with variable winpoll, ranging from 30 to 60

Set max to equal 100 minus winpoll

Generate random number with variable poll1, ranging from 0 to the value of max

Set max to equal max minus poll1

Generate random number with variable poll2, ranging from 0 to the value of max

Set max to equal max minus poll2

Set poll3 equal to 100 minus the total of the previous poll values

Print the choices with random percentages (the right answers are weighed more) of what the audience think the answer is

Set lifeline2 equal to zero

Input user’s input into answer1 until it is valid

* + - * + Else if the user enters 3 (Ask An Expert)

Print the opinion of a professor from Eastern University on the question/topic

Set lifeline3 equal to zero

Input user’s input into answer1 until it is valid

* + - * Print their total winnings when they answer the question correctly
      * Set prize equal to **300**
  + *LEVEL* **4***: $***500**
  + If the random integer is 1
    - Do while the answer is not the following choices given, quit ‘q’, or one of the lifelines available (1, 2, or 3) – not valid
      * Prompt the user to answer the **first** option question for the **fourth** level, along with the four choices
      * Print the lifelines options
      * Input the user’s answer
      * Do while the answer is not correct
        + If the user’s input is not the following choices given, quit ‘q’, or one of the lifeline options

Print a message that the user’s input is invalid

Input user’s answer until it is valid

* + - * + Else if the user’s input is incorrect or ‘q’

Print a message that the user’s input is incorrect, and their earnings so far

Delay for three seconds (3000 milliseconds)

Break out of loop

* + - * + Else if the lifeline has been entered again

Print a message to tell the user their input is invalid, and the user cannot have the lifeline printed again

Input user’s input into answer1 until it is valid

* + - * + Else if user enters 1 (50/50)

Print the two options—one correct and one incorrect

Set lifeline1 equal to zero

Input user’s input into answer1 until it is valid

* + - * + Else if the user enters 2 (Poll the Audience)

Generate random number with variable winpoll, ranging from 30 to 60

Set max to equal 100 minus winpoll

Generate random number with variable poll1, ranging from 0 to the value of max

Set max to equal max minus poll1

Generate random number with variable poll2, ranging from 0 to the value of max

Set max to equal max minus poll2

Set poll3 equal to 100 minus the total of the previous poll values

Print the choices with random percentages (the right answers are weighed more) of what the audience think the answer is

Set lifeline2 equal to zero

Input user’s input into answer1 until it is valid

* + - * + Else if the user enters 3 (Ask An Expert)

Print the opinion of a professor from Eastern University on the question/topic

Set lifeline3 equal to zero

Input user’s input into answer1 until it is valid

* + - * Print their total winnings when they answer the question correctly
      * Set prize equal to **500**
  + Else if the random integer is 2
    - Do while the answer is not the following choices given, quit ‘q’, or one of the lifelines available (1, 2, or 3) – not valid
      * Prompt the user to answer the **second** option question for the **fourth** level, along with the four choices
      * Print the lifelines options
      * Input the user’s answer
      * Do while the answer is not correct
        + If the user’s input is not the following choices given, quit ‘q’, or one of the lifeline options

Print a message that the user’s input is invalid

Input user’s answer until it is valid

* + - * + Else if the user’s input is incorrect or ‘q’

Print a message that the user’s input is incorrect, and their earnings so far

Delay for three seconds (3000 milliseconds)

Break out of loop

* + - * + Else if the lifeline has been entered again

Print a message to tell the user their input is invalid, and the user cannot have the lifeline printed again

Input user’s input into answer1 until it is valid

* + - * + Else if user enters 1 (50/50)

Print the two options—one correct and one incorrect

Set lifeline1 equal to zero

Input user’s input into answer1 until it is valid

* + - * + Else if the user enters 2 (Poll the Audience)

Generate random number with variable winpoll, ranging from 30 to 60

Set max to equal 100 minus winpoll

Generate random number with variable poll1, ranging from 0 to the value of max

Set max to equal max minus poll1

Generate random number with variable poll2, ranging from 0 to the value of max

Set max to equal max minus poll2

Set poll3 equal to 100 minus the total of the previous poll values

Print the choices with random percentages (the right answers are weighed more) of what the audience think the answer is

Set lifeline2 equal to zero

Input user’s input into answer1 until it is valid

* + - * + Else if the user enters 3 (Ask An Expert)

Print the opinion of a professor from Eastern University on the question/topic

Set lifeline3 equal to zero

Input user’s input into answer1 until it is valid

* + - * Print their total winnings when they answer the question correctly
      * Set prize equal to **500**
  + Else if the random integer is 3
    - Do while the answer is not the following choices given, quit ‘q’, or one of the lifelines available (1, 2, or 3) – not valid
      * Prompt the user to answer the **third** option question for the **fourth** level, along with the four choices
      * Print the lifelines options
      * Input the user’s answer
      * Do while the answer is not correct
        + If the user’s input is not the following choices given, quit ‘q’, or one of the lifeline options

Print a message that the user’s input is invalid

Input user’s answer until it is valid

* + - * + Else if the user’s input is incorrect or ‘q’

Print a message that the user’s input is incorrect, and their earnings so far

Delay for three seconds (3000 milliseconds)

Break out of loop

* + - * + Else if the lifeline has been entered again

Print a message to tell the user their input is invalid, and the user cannot have the lifeline printed again

Input user’s input into answer1 until it is valid

* + - * + Else if user enters 1 (50/50)

Print the two options—one correct and one incorrect

Set lifeline1 equal to zero

Input user’s input into answer1 until it is valid

* + - * + Else if the user enters 2 (Poll the Audience)

Generate random number with variable winpoll, ranging from 30 to 60

Set max to equal 100 minus winpoll

Generate random number with variable poll1, ranging from 0 to the value of max

Set max to equal max minus poll1

Generate random number with variable poll2, ranging from 0 to the value of max

Set max to equal max minus poll2

Set poll3 equal to 100 minus the total of the previous poll values

Print the choices with random percentages (the right answers are weighed more) of what the audience think the answer is

Set lifeline2 equal to zero

Input user’s input into answer1 until it is valid

* + - * + Else if the user enters 3 (Ask An Expert)

Print the opinion of a professor from Eastern University on the question/topic

Set lifeline3 equal to zero

Input user’s input into answer1 until it is valid

* + - * Print their total winnings when they answer the question correctly
      * Set prize equal to **500**
  + *LEVEL* **5***: $***1,000**
  + If the random integer is 1
    - Do while the answer is not the following choices given, quit ‘q’, or one of the lifelines available (1, 2, or 3) – not valid
      * Prompt the user to answer the **first** option question for the **fifth** level, along with the four choices
      * Print the lifelines options
      * Input the user’s answer
      * Do while the answer is not correct
        + If the user’s input is not the following choices given, quit ‘q’, or one of the lifeline options

Print a message that the user’s input is invalid

Input user’s answer until it is valid

* + - * + Else if the user’s input is incorrect or ‘q’

Print a message that the user’s input is incorrect, and their earnings so far

Delay for three seconds (3000 milliseconds)

Break out of loop

* + - * + Else if the lifeline has been entered again

Print a message to tell the user their input is invalid, and the user cannot have the lifeline printed again

Input user’s input into answer1 until it is valid

* + - * + Else if user enters 1 (50/50)

Print the two options—one correct and one incorrect

Set lifeline1 equal to zero

Input user’s input into answer1 until it is valid

* + - * + Else if the user enters 2 (Poll the Audience)

Generate random number with variable winpoll, ranging from 30 to 60

Set max to equal 100 minus winpoll

Generate random number with variable poll1, ranging from 0 to the value of max

Set max to equal max minus poll1

Generate random number with variable poll2, ranging from 0 to the value of max

Set max to equal max minus poll2

Set poll3 equal to 100 minus the total of the previous poll values

Print the choices with random percentages (the right answers are weighed more) of what the audience think the answer is

Set lifeline2 equal to zero

Input user’s input into answer1 until it is valid

* + - * + Else if the user enters 3 (Ask An Expert)

Print the opinion of a professor from Eastern University on the question/topic

Set lifeline3 equal to zero

Input user’s input into answer1 until it is valid

* + - * Print their total winnings when they answer the question correctly
      * Set prize equal to **1000**
  + Else if the random integer is 2
    - Do while the answer is not the following choices given, quit ‘q’, or one of the lifelines available (1, 2, or 3) – not valid
      * Prompt the user to answer the **second** option question for the **fifth** level, along with the four choices
      * Print the lifelines options
      * Input the user’s answer
      * Do while the answer is not correct
        + If the user’s input is not the following choices given, quit ‘q’, or one of the lifeline options

Print a message that the user’s input is invalid

Input user’s answer until it is valid

* + - * + Else if the user’s input is incorrect or ‘q’

Print a message that the user’s input is incorrect, and their earnings so far

Delay for three seconds (3000 milliseconds)

Break out of loop

* + - * + Else if the lifeline has been entered again

Print a message to tell the user their input is invalid, and the user cannot have the lifeline printed again

Input user’s input into answer1 until it is valid

* + - * + Else if user enters 1 (50/50)

Print the two options—one correct and one incorrect

Set lifeline1 equal to zero

Input user’s input into answer1 until it is valid

* + - * + Else if the user enters 2 (Poll the Audience)

Generate random number with variable winpoll, ranging from 30 to 60

Set max to equal 100 minus winpoll

Generate random number with variable poll1, ranging from 0 to the value of max

Set max to equal max minus poll1

Generate random number with variable poll2, ranging from 0 to the value of max

Set max to equal max minus poll2

Set poll3 equal to 100 minus the total of the previous poll values

Print the choices with random percentages (the right answers are weighed more) of what the audience think the answer is

Set lifeline2 equal to zero

Input user’s input into answer1 until it is valid

* + - * + Else if the user enters 3 (Ask An Expert)

Print the opinion of a professor from Eastern University on the question/topic

Set lifeline3 equal to zero

Input user’s input into answer1 until it is valid

* + - * Print their total winnings when they answer the question correctly
      * Set prize equal to **1000**
  + Else if the random integer is 3
    - Do while the answer is not the following choices given, quit ‘q’, or one of the lifelines available (1, 2, or 3) – not valid
      * Prompt the user to answer the **third** option question for the **fifth** level, along with the four choices
      * Print the lifelines options
      * Input the user’s answer
      * Do while the answer is not correct
        + If the user’s input is not the following choices given, quit ‘q’, or one of the lifeline options

Print a message that the user’s input is invalid

Input user’s answer until it is valid

* + - * + Else if the user’s input is incorrect or ‘q’

Print a message that the user’s input is incorrect, and their earnings so far

Delay for three seconds (3000 milliseconds)

Break out of loop

* + - * + Else if the lifeline has been entered again

Print a message to tell the user their input is invalid, and the user cannot have the lifeline printed again

Input user’s input into answer1 until it is valid

* + - * + Else if user enters 1 (50/50)

Print the two options—one correct and one incorrect

Set lifeline1 equal to zero

Input user’s input into answer1 until it is valid

* + - * + Else if the user enters 2 (Poll the Audience)

Generate random number with variable winpoll, ranging from 30 to 60

Set max to equal 100 minus winpoll

Generate random number with variable poll1, ranging from 0 to the value of max

Set max to equal max minus poll1

Generate random number with variable poll2, ranging from 0 to the value of max

Set max to equal max minus poll2

Set poll3 equal to 100 minus the total of the previous poll values

Print the choices with random percentages (the right answers are weighed more) of what the audience think the answer is

Set lifeline2 equal to zero

Input user’s input into answer1 until it is valid

Input user’s input into answer1 until it is valid

* + - * + Else if the user enters 3 (Ask An Expert)

Print the opinion of a professor from Eastern University on the question/topic

Set lifeline3 equal to zero

Input user’s input into answer1 until it is valid

* + - * Print their total winnings when they answer the question correctly
      * Set prize equal to **1000**
  + *LEVEL* **6***: $***2,000**
  + If the random integer is 1
    - Do while the answer is not the following choices given, quit ‘q’, or one of the lifelines available (1, 2, or 3) – not valid
      * Prompt the user to answer the **first** option question for the **sixth** level, along with the four choices
      * Print the lifelines options
      * Input the user’s answer
      * Do while the answer is not correct
        + If the user’s input is not the following choices given, quit ‘q’, or one of the lifeline options

Print a message that the user’s input is invalid

Input user’s answer until it is valid

* + - * + Else if the user’s input is incorrect or ‘q’

Print a message that the user’s input is incorrect, and their earnings so far

Delay for three seconds (3000 milliseconds)

Break out of loop

* + - * + Else if the lifeline has been entered again

Print a message to tell the user their input is invalid, and the user cannot have the lifeline printed again

Input user’s input into answer1 until it is valid

* + - * + Else if user enters 1 (50/50)

Print the two options—one correct and one incorrect

Set lifeline1 equal to zero

Input user’s input into answer1 until it is valid

* + - * + Else if the user enters 2 (Poll the Audience)

Print Generate random number with variable winpoll, ranging from 30 to 60

Set max to equal 100 minus winpoll

Generate random number with variable poll1, ranging from 0 to the value of max

Set max to equal max minus poll1

Generate random number with variable poll2, ranging from 0 to the value of max

Set max to equal max minus poll2

Set poll3 equal to 100 minus the total of the previous poll values

Print the choices with random percentages (the right answers are weighed more) of what the audience think the answer is

Set lifeline2 equal to zero

Input user’s input into answer1 until it is valid

Input user’s input into answer1 until it is valid

* + - * + Else if the user enters 3 (Ask An Expert)

Print the opinion of a professor from Eastern University on the question/topic

Set lifeline3 equal to zero

Input user’s input into answer1 until it is valid

* + - * Print their total winnings when they answer the question correctly
      * Set prize equal to **2000**
  + Else if the random integer is 2
    - Do while the answer is not the following choices given, quit ‘q’, or one of the lifelines available (1, 2, or 3) – not valid
      * Prompt the user to answer the **second** option question for the **sixth** level, along with the four choices
      * Print the lifelines options
      * Input the user’s answer
      * Do while the answer is not correct
        + If the user’s input is not the following choices given, quit ‘q’, or one of the lifeline options

Print a message that the user’s input is invalid

Input user’s answer until it is valid

* + - * + Else if the user’s input is incorrect or ‘q’

Print a message that the user’s input is incorrect, and their earnings so far

Delay for three seconds (3000 milliseconds)

Break out of loop

* + - * + Else if the lifeline has been entered again

Print a message to tell the user their input is invalid, and the user cannot have the lifeline printed again

Input user’s input into answer1 until it is valid

* + - * + Else if user enters 1 (50/50)

Print the two options—one correct and one incorrect

Set lifeline1 equal to zero

Input user’s input into answer1 until it is valid

* + - * + Else if the user enters 2 (Poll the Audience)

Generate random number with variable winpoll, ranging from 30 to 60

Set max to equal 100 minus winpoll

Generate random number with variable poll1, ranging from 0 to the value of max

Set max to equal max minus poll1

Generate random number with variable poll2, ranging from 0 to the value of max

Set max to equal max minus poll2

Set poll3 equal to 100 minus the total of the previous poll values

Print the choices with random percentages (the right answers are weighed more) of what the audience think the answer is

Set lifeline2 equal to zero

Input user’s input into answer1 until it is valid

* + - * + Else if the user enters 3 (Ask An Expert)

Print the opinion of a professor from Eastern University on the question/topic

Set lifeline3 equal to zero

Input user’s input into answer1 until it is valid

* + - * Print their total winnings when they answer the question correctly
      * Set prize equal to **2000**
  + Else if the random integer is 3
    - Do while the answer is not the following choices given, quit ‘q’, or one of the lifelines available (1, 2, or 3) – not valid
      * Prompt the user to answer the **third** option question for the **sixth** level, along with the four choices
      * Print the lifelines options
      * Input the user’s answer
      * Do while the answer is not correct
        + If the user’s input is not the following choices given, quit ‘q’, or one of the lifeline options

Print a message that the user’s input is invalid

Input user’s answer until it is valid

* + - * + Else if the user’s input is incorrect or ‘q’

Print a message that the user’s input is incorrect, and their earnings so far

Delay for three seconds (3000 milliseconds)

Break out of loop

* + - * + Else if the lifeline has been entered again

Print a message to tell the user their input is invalid, and the user cannot have the lifeline printed again

Input user’s input into answer1 until it is valid

* + - * + Else if user enters 1 (50/50)

Print the two options—one correct and one incorrect

Set lifeline1 equal to zero

Input user’s input into answer1 until it is valid

* + - * + Else if the user enters 2 (Poll the Audience)

Generate random number with variable winpoll, ranging from 30 to 60

Set max to equal 100 minus winpoll

Generate random number with variable poll1, ranging from 0 to the value of max

Set max to equal max minus poll1

Generate random number with variable poll2, ranging from 0 to the value of max

Set max to equal max minus poll2

Set poll3 equal to 100 minus the total of the previous poll values

Print the choices with random percentages (the right answers are weighed more) of what the audience think the answer is

Set lifeline2 equal to zero

Input user’s input into answer1 until it is valid

* + - * + Else if the user enters 3 (Ask An Expert)

Print the opinion of a professor from Eastern University on the question/topic

Set lifeline3 equal to zero

Input user’s input into answer1 until it is valid

* + - * Print their total winnings when they answer the question correctly
      * Set prize equal to **2000**
  + *LEVEL* **7***: $***4,000**
  + If the random integer is 1
    - Do while the answer is not the following choices given, quit ‘q’, or one of the lifelines available (1, 2, or 3) – not valid
      * Prompt the user to answer the **first** option question for the **seventh** level, along with the four choices
      * Print the lifelines options
      * Input the user’s answer
      * Do while the answer is not correct
        + If the user’s input is not the following choices given, quit ‘q’, or one of the lifeline options

Print a message that the user’s input is invalid

Input user’s answer until it is valid

* + - * + Else if the user’s input is incorrect or ‘q’

Print a message that the user’s input is incorrect, and their earnings so far

Delay for three seconds (3000 milliseconds)

Break out of loop

* + - * + Else if the lifeline has been entered again

Print a message to tell the user their input is invalid, and the user cannot have the lifeline printed again

Input user’s input into answer1 until it is valid

* + - * + Else if user enters 1 (50/50)

Print the two options—one correct and one incorrect

Set lifeline1 equal to zero

Input user’s input into answer1 until it is valid

* + - * + Else if the user enters 2 (Poll the Audience)

Generate random number with variable winpoll, ranging from 30 to 60

Set max to equal 100 minus winpoll

Generate random number with variable poll1, ranging from 0 to the value of max

Set max to equal max minus poll1

Generate random number with variable poll2, ranging from 0 to the value of max

Set max to equal max minus poll2

Set poll3 equal to 100 minus the total of the previous poll values

Print the choices with random percentages (the right answers are weighed more) of what the audience think the answer is

Set lifeline2 equal to zero

Input user’s input into answer1 until it is valid

* + - * + Else if the user enters 3 (Ask An Expert)

Print the opinion of a professor from Eastern University on the question/topic

Set lifeline3 equal to zero

Input user’s input into answer1 until it is valid

* + - * Print their total winnings when they answer the question correctly
      * Set prize equal to **4000**
  + Else if the random integer is 2
    - Do while the answer is not the following choices given, quit ‘q’, or one of the lifelines available (1, 2, or 3) – not valid
      * Prompt the user to answer the **second** option question for the **seventh** level, along with the four choices
      * Print the lifelines options
      * Input the user’s answer
      * Do while the answer is not correct
        + If the user’s input is not the following choices given, quit ‘q’, or one of the lifeline options

Print a message that the user’s input is invalid

Input user’s answer until it is valid

* + - * + Else if the user’s input is incorrect or ‘q’

Print a message that the user’s input is incorrect, and their earnings so far

Delay for three seconds (3000 milliseconds)

Break out of loop

* + - * + Else if the lifeline has been entered again

Print a message to tell the user their input is invalid, and the user cannot have the lifeline printed again

Input user’s input into answer1 until it is valid

* + - * + Else if user enters 1 (50/50)

Print the two options—one correct and one incorrect

Set lifeline1 equal to zero

Input user’s input into answer1 until it is valid

* + - * + Else if the user enters 2 (Poll the Audience)

Generate random number with variable winpoll, ranging from 30 to 60

Set max to equal 100 minus winpoll

Generate random number with variable poll1, ranging from 0 to the value of max

Set max to equal max minus poll1

Generate random number with variable poll2, ranging from 0 to the value of max

Set max to equal max minus poll2

Set poll3 equal to 100 minus the total of the previous poll values

Print the choices with random percentages (the right answers are weighed more) of what the audience think the answer is

Set lifeline2 equal to zero

Input user’s input into answer1 until it is valid

* + - * + Else if the user enters 3 (Ask An Expert)

Print the opinion of a professor from Eastern University on the question/topic

Set lifeline3 equal to zero

Input user’s input into answer1 until it is valid

* + - * Print their total winnings when they answer the question correctly
      * Set prize equal to **4000**
  + Else if the random integer is 3
    - Do while the answer is not the following choices given, quit ‘q’, or one of the lifelines available (1, 2, or 3) – not valid
      * Prompt the user to answer the **third** option question for the **seventh** level, along with the four choices
      * Print the lifelines options
      * Input the user’s answer
      * Do while the answer is not correct
        + If the user’s input is not the following choices given, quit ‘q’, or one of the lifeline options

Print a message that the user’s input is invalid

Input user’s answer until it is valid

* + - * + Else if the user’s input is incorrect or ‘q’

Print a message that the user’s input is incorrect, and their earnings so far

Delay for three seconds (3000 milliseconds)

Break out of loop

* + - * + Else if the lifeline has been entered again

Print a message to tell the user their input is invalid, and the user cannot have the lifeline printed again

Input user’s input into answer1 until it is valid

* + - * + Else if user enters 1 (50/50)

Print the two options—one correct and one incorrect

Set lifeline1 equal to zero

Input user’s input into answer1 until it is valid

* + - * + Else if the user enters 2 (Poll the Audience)

Generate random number with variable winpoll, ranging from 30 to 60

Set max to equal 100 minus winpoll

Generate random number with variable poll1, ranging from 0 to the value of max

Set max to equal max minus poll1

Generate random number with variable poll2, ranging from 0 to the value of max

Set max to equal max minus poll2

Set poll3 equal to 100 minus the total of the previous poll values

Print the choices with random percentages (the right answers are weighed more) of what the audience think the answer is

Set lifeline2 equal to zero

Input user’s input into answer1 until it is valid

* + - * + Else if the user enters 3 (Ask An Expert)

Print the opinion of a professor from Eastern University on the question/topic

Set lifeline3 equal to zero

Input user’s input into answer1 until it is valid

* + - * Print their total winnings when they answer the question correctly
      * Set prize equal to **4000**
  + *LEVEL* **8***: $***8,000**
  + If the random integer is 1
    - Do while the answer is not the following choices given, quit ‘q’, or one of the lifelines available (1, 2, or 3) – not valid
      * Prompt the user to answer the **first** option question for the **eighth** level, along with the four choices
      * Print the lifelines options
      * Input the user’s answer
      * Do while the answer is not correct
        + If the user’s input is not the following choices given, quit ‘q’, or one of the lifeline options

Print a message that the user’s input is invalid

Input user’s answer until it is valid

* + - * + Else if the user’s input is incorrect or ‘q’

Print a message that the user’s input is incorrect, and their earnings so far

Delay for three seconds (3000 milliseconds)

Break out of loop

* + - * + Else if the lifeline has been entered again

Print a message to tell the user their input is invalid, and the user cannot have the lifeline printed again

Input user’s input into answer1 until it is valid

* + - * + Else if user enters 1 (50/50)

Print the two options—one correct and one incorrect

Set lifeline1 equal to zero

Input user’s input into answer1 until it is valid

* + - * + Else if the user enters 2 (Poll the Audience)

Generate random number with variable winpoll, ranging from 30 to 60

Set max to equal 100 minus winpoll

Generate random number with variable poll1, ranging from 0 to the value of max

Set max to equal max minus poll1

Generate random number with variable poll2, ranging from 0 to the value of max

Set max to equal max minus poll2

Set poll3 equal to 100 minus the total of the previous poll values

Print the choices with random percentages (the right answers are weighed more) of what the audience think the answer is

Set lifeline2 equal to zero

Input user’s input into answer1 until it is valid

* + - * + Else if the user enters 3 (Ask An Expert)

Print the opinion of a professor from Eastern University on the question/topic

Set lifeline3 equal to zero

Input user’s input into answer1 until it is valid

* + - * Print their total winnings when they answer the question correctly
      * Set prize equal to **8000**
  + Else if the random integer is 2
    - Do while the answer is not the following choices given, quit ‘q’, or one of the lifelines available (1, 2, or 3) – not valid
      * Prompt the user to answer the **second** option question for the **eighth** level, along with the four choices
      * Print the lifelines options
      * Input the user’s answer
      * Do while the answer is not correct
        + If the user’s input is not the following choices given, quit ‘q’, or one of the lifeline options

Print a message that the user’s input is invalid

Input user’s answer until it is valid

* + - * + Else if the user’s input is incorrect or ‘q’

Print a message that the user’s input is incorrect, and their earnings so far

Delay for three seconds (3000 milliseconds)

Break out of loop

* + - * + Else if the lifeline has been entered again

Print a message to tell the user their input is invalid, and the user cannot have the lifeline printed again

Input user’s input into answer1 until it is valid

* + - * + Else if user enters 1 (50/50)

Print the two options—one correct and one incorrect

Set lifeline1 equal to zero

Input user’s input into answer1 until it is valid

* + - * + Else if the user enters 2 (Poll the Audience)

Generate random number with variable winpoll, ranging from 30 to 60

Set max to equal 100 minus winpoll

Generate random number with variable poll1, ranging from 0 to the value of max

Set max to equal max minus poll1

Generate random number with variable poll2, ranging from 0 to the value of max

Set max to equal max minus poll2

Set poll3 equal to 100 minus the total of the previous poll values

Print the choices with random percentages (the right answers are weighed more) of what the audience think the answer is

Set lifeline2 equal to zero

Input user’s input into answer1 until it is valid

* + - * + Else if the user enters 3 (Ask An Expert)

Print the opinion of a professor from Eastern University on the question/topic

Set lifeline3 equal to zero

Input user’s input into answer1 until it is valid

* + - * Print their total winnings when they answer the question correctly
      * Set prize equal to **8000**
  + Else if the random integer is 3
    - Do while the answer is not the following choices given, quit ‘q’, or one of the lifelines available (1, 2, or 3) – not valid
      * Prompt the user to answer the **third** option question for the **eighth** level, along with the four choices
      * Print the lifelines options
      * Input the user’s answer
      * Do while the answer is not correct
        + If the user’s input is not the following choices given, quit ‘q’, or one of the lifeline options

Print a message that the user’s input is invalid

Input user’s answer until it is valid

* + - * + Else if the user’s input is incorrect or ‘q’

Print a message that the user’s input is incorrect, and their earnings so far

Delay for three seconds (3000 milliseconds)

Break out of loop

* + - * + Else if the lifeline has been entered again

Print a message to tell the user their input is invalid, and the user cannot have the lifeline printed again

Input user’s input into answer1 until it is valid

* + - * + Else if user enters 1 (50/50)

Print the two options—one correct and one incorrect

Set lifeline1 equal to zero

Input user’s input into answer1 until it is valid

* + - * + Else if the user enters 2 (Poll the Audience)

Generate random number with variable winpoll, ranging from 30 to 60

Set max to equal 100 minus winpoll

Generate random number with variable poll1, ranging from 0 to the value of max

Set max to equal max minus poll1

Generate random number with variable poll2, ranging from 0 to the value of max

Set max to equal max minus poll2

Set poll3 equal to 100 minus the total of the previous poll values

Print the choices with random percentages (the right answers are weighed more) of what the audience think the answer is

Set lifeline2 equal to zero

Input user’s input into answer1 until it is valid

* + - * + Else if the user enters 3 (Ask An Expert)

Print the opinion of a professor from Eastern University on the question/topic

Set lifeline3 equal to zero

Input user’s input into answer1 until it is valid

* + - * Print their total winnings when they answer the question correctly
      * Set prize equal to **8000**
  + *LEVEL* **9***: $***16,000**
  + If the random integer is 1
    - Do while the answer is not the following choices given, quit ‘q’, or one of the lifelines available (1, 2, or 3) – not valid
      * Prompt the user to answer the **first** option question for the **ninth** level, along with the four choices
      * Print the lifelines options
      * Input the user’s answer
      * Do while the answer is not correct
        + If the user’s input is not the following choices given, quit ‘q’, or one of the lifeline options

Print a message that the user’s input is invalid

Input user’s answer until it is valid

* + - * + Else if the user’s input is incorrect or ‘q’

Print a message that the user’s input is incorrect, and their earnings so far

Delay for three seconds (3000 milliseconds)

Break out of loop

* + - * + Else if the lifeline has been entered again

Print a message to tell the user their input is invalid, and the user cannot have the lifeline printed again

Input user’s input into answer1 until it is valid

* + - * + Else if user enters 1 (50/50)

Print the two options—one correct and one incorrect

Set lifeline1 equal to zero

Input user’s input into answer1 until it is valid

* + - * + Else if the user enters 2 (Poll the Audience)

Generate random number with variable winpoll, ranging from 30 to 60

Set max to equal 100 minus winpoll

Generate random number with variable poll1, ranging from 0 to the value of max

Set max to equal max minus poll1

Generate random number with variable poll2, ranging from 0 to the value of max

Set max to equal max minus poll2

Set poll3 equal to 100 minus the total of the previous poll values

Print the choices with random percentages (the right answers are weighed more) of what the audience think the answer is

Set lifeline2 equal to zero

Input user’s input into answer1 until it is valid

* + - * + Else if the user enters 3 (Ask An Expert)

Print the opinion of a professor from Eastern University on the question/topic

Set lifeline3 equal to zero

Input user’s input into answer1 until it is valid

* + - * Print their total winnings when they answer the question correctly
      * Set prize equal to **16000**
  + Else if the random integer is 2
    - Do while the answer is not the following choices given, quit ‘q’, or one of the lifelines available (1, 2, or 3) – not valid
      * Prompt the user to answer the **second** option question for the **ninth** level, along with the four choices
      * Print the lifelines options
      * Input the user’s answer
      * Do while the answer is not correct
        + If the user’s input is not the following choices given, quit ‘q’, or one of the lifeline options

Print a message that the user’s input is invalid

Input user’s answer until it is valid

* + - * + Else if the user’s input is incorrect or ‘q’

Print a message that the user’s input is incorrect, and their earnings so far

Delay for three seconds (3000 milliseconds)

Break out of loop

* + - * + Else if the lifeline has been entered again

Print a message to tell the user their input is invalid, and the user cannot have the lifeline printed again

Input user’s input into answer1 until it is valid

* + - * + Else if user enters 1 (50/50)

Print the two options—one correct and one incorrect

Set lifeline1 equal to zero

Input user’s input into answer1 until it is valid

* + - * + Else if the user enters 2 (Poll the Audience)

Generate random number with variable winpoll, ranging from 30 to 60

Set max to equal 100 minus winpoll

Generate random number with variable poll1, ranging from 0 to the value of max

Set max to equal max minus poll1

Generate random number with variable poll2, ranging from 0 to the value of max

Set max to equal max minus poll2

Set poll3 equal to 100 minus the total of the previous poll values

Print the choices with random percentages (the right answers are weighed more) of what the audience think the answer is

Set lifeline2 equal to zero

Input user’s input into answer1 until it is valid

Input user’s input into answer1 until it is valid

* + - * + Else if the user enters 3 (Ask An Expert)

Print the opinion of a professor from Eastern University on the question/topic

Set lifeline3 equal to zero

Input user’s input into answer1 until it is valid

* + - * Print their total winnings when they answer the question correctly
      * Set prize equal to **16000**
  + Else if the random integer is 3
    - Do while the answer is not the following choices given, quit ‘q’, or one of the lifelines available (1, 2, or 3) – not valid
      * Prompt the user to answer the **third** option question for the **ninth** level, along with the four choices
      * Print the lifelines options
      * Input the user’s answer
      * Do while the answer is not correct
        + If the user’s input is not the following choices given, quit ‘q’, or one of the lifeline options

Print a message that the user’s input is invalid

Input user’s answer until it is valid

* + - * + Else if the user’s input is incorrect or ‘q’

Print a message that the user’s input is incorrect, and their earnings so far

Delay for three seconds (3000 milliseconds)

Break out of loop

* + - * + Else if the lifeline has been entered again

Print a message to tell the user their input is invalid, and the user cannot have the lifeline printed again

Input user’s input into answer1 until it is valid

* + - * + Else if user enters 1 (50/50)

Print the two options—one correct and one incorrect

Set lifeline1 equal to zero

Input user’s input into answer1 until it is valid

* + - * + Else if the user enters 2 (Poll the Audience)

Generate random number with variable winpoll, ranging from 30 to 60

Set max to equal 100 minus winpoll

Generate random number with variable poll1, ranging from 0 to the value of max

Set max to equal max minus poll1

Generate random number with variable poll2, ranging from 0 to the value of max

Set max to equal max minus poll2

Set poll3 equal to 100 minus the total of the previous poll values

Print the choices with random percentages (the right answers are weighed more) of what the audience think the answer is

Set lifeline2 equal to zero

Input user’s input into answer1 until it is valid

* + - * + Else if the user enters 3 (Ask An Expert)

Print the opinion of a professor from Eastern University on the question/topic

Set lifeline3 equal to zero

Input user’s input into answer1 until it is valid

* + - * Print their total winnings when they answer the question correctly
      * Set prize equal to **16000**
  + *LEVEL* **10***: $***32,000**
  + If the random integer is 1
    - Do while the answer is not the following choices given, quit ‘q’, or one of the lifelines available (1, 2, or 3) – not valid
      * Prompt the user to answer the **first** option question for the **tenth** level, along with the four choices
      * Print the lifelines options
      * Input the user’s answer
      * Do while the answer is not correct
        + If the user’s input is not the following choices given, quit ‘q’, or one of the lifeline options

Print a message that the user’s input is invalid

Input user’s answer until it is valid

* + - * + Else if the user’s input is incorrect or ‘q’

Print a message that the user’s input is incorrect, and their earnings so far

Delay for three seconds (3000 milliseconds)

Break out of loop

* + - * + Else if the lifeline has been entered again

Print a message to tell the user their input is invalid, and the user cannot have the lifeline printed again

Input user’s input into answer1 until it is valid

* + - * + Else if user enters 1 (50/50)

Print the two options—one correct and one incorrect

Set lifeline1 equal to zero

Input user’s input into answer1 until it is valid

* + - * + Else if the user enters 2 (Poll the Audience)

Generate random number with variable winpoll, ranging from 30 to 60

Set max to equal 100 minus winpoll

Generate random number with variable poll1, ranging from 0 to the value of max

Set max to equal max minus poll1

Generate random number with variable poll2, ranging from 0 to the value of max

Set max to equal max minus poll2

Set poll3 equal to 100 minus the total of the previous poll values

Print the choices with random percentages (the right answers are weighed more) of what the audience think the answer is

Set lifeline2 equal to zero

Input user’s input into answer1 until it is valid

Input user’s input into answer1 until it is valid

* + - * + Else if the user enters 3 (Ask An Expert)

Print the opinion of a professor from Eastern University on the question/topic

Set lifeline3 equal to zero

Input user’s input into answer1 until it is valid

* + - * Print their total winnings when they answer the question correctly
      * Set prize equal to **32000**
  + Else if the random integer is 2
    - Do while the answer is not the following choices given, quit ‘q’, or one of the lifelines available (1, 2, or 3) – not valid
      * Prompt the user to answer the **second** option question for the **tenth** level, along with the four choices
      * Print the lifelines options
      * Input the user’s answer
      * Do while the answer is not correct
        + If the user’s input is not the following choices given, quit ‘q’, or one of the lifeline options

Print a message that the user’s input is invalid

Input user’s answer until it is valid

* + - * + Else if the user’s input is incorrect or ‘q’

Print a message that the user’s input is incorrect, and their earnings so far

Delay for three seconds (3000 milliseconds)

Break out of loop

* + - * + Else if the lifeline has been entered again

Print a message to tell the user their input is invalid, and the user cannot have the lifeline printed again

Input user’s input into answer1 until it is valid

* + - * + Else if user enters 1 (50/50)

Print the two options—one correct and one incorrect

Set lifeline1 equal to zero

Input user’s input into answer1 until it is valid

* + - * + Else if the user enters 2 (Poll the Audience)

Generate random number with variable winpoll, ranging from 30 to 60

Set max to equal 100 minus winpoll

Generate random number with variable poll1, ranging from 0 to the value of max

Set max to equal max minus poll1

Generate random number with variable poll2, ranging from 0 to the value of max

Set max to equal max minus poll2

Set poll3 equal to 100 minus the total of the previous poll values

Print the choices with random percentages (the right answers are weighed more) of what the audience think the answer is

Set lifeline2 equal to zero

Input user’s input into answer1 until it is valid

Input user’s input into answer1 until it is valid

* + - * + Else if the user enters 3 (Ask An Expert)

Print the opinion of a professor from Eastern University on the question/topic

Set lifeline3 equal to zero

Input user’s input into answer1 until it is valid

* + - * Print their total winnings when they answer the question correctly
      * Set prize equal to **32000**
  + Else if the random integer is 3
    - Do while the answer is not the following choices given, quit ‘q’, or one of the lifelines available (1, 2, or 3) – not valid
      * Prompt the user to answer the **third** option question for the **tenth** level, along with the four choices
      * Print the lifelines options
      * Input the user’s answer
      * Do while the answer is not correct
        + If the user’s input is not the following choices given, quit ‘q’, or one of the lifeline options

Print a message that the user’s input is invalid

Input user’s answer until it is valid

* + - * + Else if the user’s input is incorrect or ‘q’

Print a message that the user’s input is incorrect, and their earnings so far

Delay for three seconds (3000 milliseconds)

Break out of loop

* + - * + Else if the lifeline has been entered again

Print a message to tell the user their input is invalid, and the user cannot have the lifeline printed again

Input user’s input into answer1 until it is valid

* + - * + Else if user enters 1 (50/50)

Print the two options—one correct and one incorrect

Set lifeline1 equal to zero

Input user’s input into answer1 until it is valid

* + - * + Else if the user enters 2 (Poll the Audience)

Generate random number with variable winpoll, ranging from 30 to 60

Set max to equal 100 minus winpoll

Generate random number with variable poll1, ranging from 0 to the value of max

Set max to equal max minus poll1

Generate random number with variable poll2, ranging from 0 to the value of max

Set max to equal max minus poll2

Set poll3 equal to 100 minus the total of the previous poll values

Print the choices with random percentages (the right answers are weighed more) of what the audience think the answer is

Set lifeline2 equal to zero

Input user’s input into answer1 until it is valid

* + - * + Else if the user enters 3 (Ask An Expert)

Print the opinion of a professor from Eastern University on the question/topic

Set lifeline3 equal to zero

Input user’s input into answer1 until it is valid

* + - * Print their total winnings when they answer the question correctly
      * Set prize equal to **32000**
  + *LEVEL* **11***: $***64,000**
  + If the random integer is 1
    - Do while the answer is not the following choices given, quit ‘q’, or one of the lifelines available (1, 2, or 3) – not valid
      * Prompt the user to answer the **first** option question for the **eleventh** level, along with the four choices
      * Print the lifelines options
      * Input the user’s answer
      * Do while the answer is not correct
        + If the user’s input is not the following choices given, quit ‘q’, or one of the lifeline options

Print a message that the user’s input is invalid

Input user’s answer until it is valid

* + - * + Else if the user’s input is incorrect or ‘q’

Print a message that the user’s input is incorrect, and their earnings so far

Delay for three seconds (3000 milliseconds)

Break out of loop

* + - * + Else if the lifeline has been entered again

Print a message to tell the user their input is invalid, and the user cannot have the lifeline printed again

Input user’s input into answer1 until it is valid

* + - * + Else if user enters 1 (50/50)

Print the two options—one correct and one incorrect

Set lifeline1 equal to zero

Input user’s input into answer1 until it is valid

* + - * + Else if the user enters 2 (Poll the Audience)

Generate random number with variable winpoll, ranging from 30 to 60

Set max to equal 100 minus winpoll

Generate random number with variable poll1, ranging from 0 to the value of max

Set max to equal max minus poll1

Generate random number with variable poll2, ranging from 0 to the value of max

Set max to equal max minus poll2

Set poll3 equal to 100 minus the total of the previous poll values

Print the choices with random percentages (the right answers are weighed more) of what the audience think the answer is

Set lifeline2 equal to zero

Input user’s input into answer1 until it is valid

* + - * + Else if the user enters 3 (Ask An Expert)

Print the opinion of a professor from Eastern University on the question/topic

Set lifeline3 equal to zero

Input user’s input into answer1 until it is valid

* + - * Print their total winnings when they answer the question correctly
      * Set prize equal to **64000**
  + Else if the random integer is 2
    - Do while the answer is not the following choices given, quit ‘q’, or one of the lifelines available (1, 2, or 3) – not valid
      * Prompt the user to answer the **second** option question for the **eleventh** level, along with the four choices
      * Print the lifelines options
      * Input the user’s answer
      * Do while the answer is not correct
        + If the user’s input is not the following choices given, quit ‘q’, or one of the lifeline options

Print a message that the user’s input is invalid

Input user’s answer until it is valid

* + - * + Else if the user’s input is incorrect or ‘q’

Print a message that the user’s input is incorrect, and their earnings so far

Delay for three seconds (3000 milliseconds)

Break out of loop

* + - * + Else if the lifeline has been entered again

Print a message to tell the user their input is invalid, and the user cannot have the lifeline printed again

Input user’s input into answer1 until it is valid

* + - * + Else if user enters 1 (50/50)

Print the two options—one correct and one incorrect

Set lifeline1 equal to zero

Input user’s input into answer1 until it is valid

* + - * + Else if the user enters 2 (Poll the Audience)

Generate random number with variable winpoll, ranging from 30 to 60

Set max to equal 100 minus winpoll

Generate random number with variable poll1, ranging from 0 to the value of max

Set max to equal max minus poll1

Generate random number with variable poll2, ranging from 0 to the value of max

Set max to equal max minus poll2

Set poll3 equal to 100 minus the total of the previous poll values

Print the choices with random percentages (the right answers are weighed more) of what the audience think the answer is

Set lifeline2 equal to zero

Input user’s input into answer1 until it is valid

* + - * + Else if the user enters 3 (Ask An Expert)

Print the opinion of a professor from Eastern University on the question/topic

Set lifeline3 equal to zero

Input user’s input into answer1 until it is valid

* + - * Print their total winnings when they answer the question correctly
      * Set prize equal to **64000**
  + Else if the random integer is 3
    - Do while the answer is not the following choices given, quit ‘q’, or one of the lifelines available (1, 2, or 3) – not valid
      * Prompt the user to answer the **third** option question for the **eleventh** level, along with the four choices
      * Print the lifelines options
      * Input the user’s answer
      * Do while the answer is not correct
        + If the user’s input is not the following choices given, quit ‘q’, or one of the lifeline options

Print a message that the user’s input is invalid

Input user’s answer until it is valid

* + - * + Else if the user’s input is incorrect or ‘q’

Print a message that the user’s input is incorrect, and their earnings so far

Delay for three seconds (3000 milliseconds)

Break out of loop

* + - * + Else if the lifeline has been entered again

Print a message to tell the user their input is invalid, and the user cannot have the lifeline printed again

Input user’s input into answer1 until it is valid

* + - * + Else if user enters 1 (50/50)

Print the two options—one correct and one incorrect

Set lifeline1 equal to zero

Input user’s input into answer1 until it is valid

* + - * + Else if the user enters 2 (Poll the Audience)

Generate random number with variable winpoll, ranging from 30 to 60

Set max to equal 100 minus winpoll

Generate random number with variable poll1, ranging from 0 to the value of max

Set max to equal max minus poll1

Generate random number with variable poll2, ranging from 0 to the value of max

Set max to equal max minus poll2

Set poll3 equal to 100 minus the total of the previous poll values

Print the choices with random percentages (the right answers are weighed more) of what the audience think the answer is

Set lifeline2 equal to zero

Input user’s input into answer1 until it is valid

* + - * + Else if the user enters 3 (Ask An Expert)

Print the opinion of a professor from Eastern University on the question/topic

Set lifeline3 equal to zero

Input user’s input into answer1 until it is valid

* + - * Print their total winnings when they answer the question correctly
      * Set prize equal to **64000**
  + *LEVEL* **12***: $***125,000**
  + If the random integer is 1
    - Do while the answer is not the following choices given, quit ‘q’, or one of the lifelines available (1, 2, or 3) – not valid
      * Prompt the user to answer the **first** option question for the **twelfth** level, along with the four choices
      * Print the lifelines options
      * Input the user’s answer
      * Do while the answer is not correct
        + If the user’s input is not the following choices given, quit ‘q’, or one of the lifeline options

Print a message that the user’s input is invalid

Input user’s answer until it is valid

* + - * + Else if the user’s input is incorrect or ‘q’

Print a message that the user’s input is incorrect, and their earnings so far

Delay for three seconds (3000 milliseconds)

Break out of loop

* + - * + Else if the lifeline has been entered again

Print a message to tell the user their input is invalid, and the user cannot have the lifeline printed again

Input user’s input into answer1 until it is valid

* + - * + Else if user enters 1 (50/50)

Print the two options—one correct and one incorrect

Set lifeline1 equal to zero

Input user’s input into answer1 until it is valid

* + - * + Else if the user enters 2 (Poll the Audience)

Generate random number with variable winpoll, ranging from 30 to 60

Set max to equal 100 minus winpoll

Generate random number with variable poll1, ranging from 0 to the value of max

Set max to equal max minus poll1

Generate random number with variable poll2, ranging from 0 to the value of max

Set max to equal max minus poll2

Set poll3 equal to 100 minus the total of the previous poll values

Print the choices with random percentages (the right answers are weighed more) of what the audience think the answer is

Set lifeline2 equal to zero

Input user’s input into answer1 until it is valid

* + - * + Else if the user enters 3 (Ask An Expert)

Print the opinion of a professor from Eastern University on the question/topic

Set lifeline3 equal to zero

Input user’s input into answer1 until it is valid

* + - * Print their total winnings when they answer the question correctly
      * Set prize equal to **125000**
  + Else if the random integer is 2
    - Do while the answer is not the following choices given, quit ‘q’, or one of the lifelines available (1, 2, or 3) – not valid
      * Prompt the user to answer the **second** option question for the **twelfth** level, along with the four choices
      * Print the lifelines options
      * Input the user’s answer
      * Do while the answer is not correct
        + If the user’s input is not the following choices given, quit ‘q’, or one of the lifeline options

Print a message that the user’s input is invalid

Input user’s answer until it is valid

* + - * + Else if the user’s input is incorrect or ‘q’

Print a message that the user’s input is incorrect, and their earnings so far

Delay for three seconds (3000 milliseconds)

Break out of loop

* + - * + Else if the lifeline has been entered again

Print a message to tell the user their input is invalid, and the user cannot have the lifeline printed again

Input user’s input into answer1 until it is valid

* + - * + Else if user enters 1 (50/50)

Print the two options—one correct and one incorrect

Set lifeline1 equal to zero

Input user’s input into answer1 until it is valid

* + - * + Else if the user enters 2 (Poll the Audience)

Generate random number with variable winpoll, ranging from 30 to 60

Set max to equal 100 minus winpoll

Generate random number with variable poll1, ranging from 0 to the value of max

Set max to equal max minus poll1

Generate random number with variable poll2, ranging from 0 to the value of max

Set max to equal max minus poll2

Set poll3 equal to 100 minus the total of the previous poll values

Print the choices with random percentages (the right answers are weighed more) of what the audience think the answer is

Set lifeline2 equal to zero

Input user’s input into answer1 until it is valid

* + - * + Else if the user enters 3 (Ask An Expert)

Print the opinion of a professor from Eastern University on the question/topic

Set lifeline3 equal to zero

Input user’s input into answer1 until it is valid

* + - * Print their total winnings when they answer the question correctly
      * Set prize equal to **125000**
  + Else if the random integer is 3
    - Do while the answer is not the following choices given, quit ‘q’, or one of the lifelines available (1, 2, or 3) – not valid
      * Prompt the user to answer the **third** option question for the **twelfth** level, along with the four choices
      * Print the lifelines options
      * Input the user’s answer
      * Do while the answer is not correct
        + If the user’s input is not the following choices given, quit ‘q’, or one of the lifeline options

Print a message that the user’s input is invalid

Input user’s answer until it is valid

* + - * + Else if the user’s input is incorrect or ‘q’

Print a message that the user’s input is incorrect, and their earnings so far

Delay for three seconds (3000 milliseconds)

Break out of loop

* + - * + Else if the lifeline has been entered again

Print a message to tell the user their input is invalid, and the user cannot have the lifeline printed again

Input user’s input into answer1 until it is valid

* + - * + Else if user enters 1 (50/50)

Print the two options—one correct and one incorrect

Set lifeline1 equal to zero

Input user’s input into answer1 until it is valid

* + - * + Else if the user enters 2 (Poll the Audience)

Generate random number with variable winpoll, ranging from 30 to 60

Set max to equal 100 minus winpoll

Generate random number with variable poll1, ranging from 0 to the value of max

Set max to equal max minus poll1

Generate random number with variable poll2, ranging from 0 to the value of max

Set max to equal max minus poll1

Set poll3 equal to 100 minus the total of the previous poll values

Print the choices with random percentages (the right answers are weighed more) of what the audience think the answer is

Set lifeline2 equal to zero

Input user’s input into answer1 until it is valid

* + - * + Else if the user enters 3 (Ask An Expert)

Print the opinion of a professor from Eastern University on the question/topic

Set lifeline3 equal to zero

Input user’s input into answer1 until it is valid

* + - * Print their total winnings when they answer the question correctly
      * Set prize equal to **125000**
  + *LEVEL* **13***: $***250,000**
  + If the random integer is 1
    - Do while the answer is not the following choices given, quit ‘q’, or one of the lifelines available (1, 2, or 3) – not valid
      * Prompt the user to answer the **first** option question for the **thirteenth** level, along with the four choices
      * Print the lifelines options
      * Input the user’s answer
      * Do while the answer is not correct
        + If the user’s input is not the following choices given, quit ‘q’, or one of the lifeline options

Print a message that the user’s input is invalid

Input user’s answer until it is valid

* + - * + Else if the user’s input is incorrect or ‘q’

Print a message that the user’s input is incorrect, and their earnings so far

Delay for three seconds (3000 milliseconds)

Break out of loop

* + - * + Else if the lifeline has been entered again

Print a message to tell the user their input is invalid, and the user cannot have the lifeline printed again

Input user’s input into answer1 until it is valid

* + - * + Else if user enters 1 (50/50)

Print the two options—one correct and one incorrect

Set lifeline1 equal to zero

Input user’s input into answer1 until it is valid

* + - * + Else if the user enters 2 (Poll the Audience)

Generate random number with variable winpoll, ranging from 30 to 60

Set max to equal 100 minus winpoll

Generate random number with variable poll1, ranging from 0 to the value of max

Set max to equal max minus poll1

Generate random number with variable poll2, ranging from 0 to the value of max

Set max to equal max minus poll2

Set poll3 equal to 100 minus the total of the previous poll values

Print the choices with random percentages (the right answers are weighed more) of what the audience think the answer is

Set lifeline2 equal to zero

Input user’s input into answer1 until it is valid

* + - * + Else if the user enters 3 (Ask An Expert)

Print the opinion of a professor from Eastern University on the question/topic

Set lifeline3 equal to zero

Input user’s input into answer1 until it is valid

* + - * Print their total winnings when they answer the question correctly
      * Set prize equal to **250000**
  + Else if the random integer is 2
    - Do while the answer is not the following choices given, quit ‘q’, or one of the lifelines available (1, 2, or 3) – not valid
      * Prompt the user to answer the **second** option question for the **thirteenth** level, along with the four choices
      * Print the lifelines options
      * Input the user’s answer
      * Do while the answer is not correct
        + If the user’s input is not the following choices given, quit ‘q’, or one of the lifeline options

Print a message that the user’s input is invalid

Input user’s answer until it is valid

* + - * + Else if the user’s input is incorrect or ‘q’

Print a message that the user’s input is incorrect, and their earnings so far

Delay for three seconds (3000 milliseconds)

Break out of loop

* + - * + Else if the lifeline has been entered again

Print a message to tell the user their input is invalid, and the user cannot have the lifeline printed again

Input user’s input into answer1 until it is valid

* + - * + Else if user enters 1 (50/50)

Print the two options—one correct and one incorrect

Set lifeline1 equal to zero

Input user’s input into answer1 until it is valid

* + - * + Else if the user enters 2 (Poll the Audience)

Generate random number with variable winpoll, ranging from 30 to 60

Set max to equal 100 minus winpoll

Generate random number with variable poll1, ranging from 0 to the value of max

Set max to equal max minus poll1

Generate random number with variable poll2, ranging from 0 to the value of max

Set max to equal max minus poll2

Set poll3 equal to 100 minus the total of the previous poll values

Print the choices with random percentages (the right answers are weighed more) of what the audience think the answer is

Set lifeline2 equal to zero

Input user’s input into answer1 until it is valid

* + - * + Else if the user enters 3 (Ask An Expert)

Print the opinion of a professor from Eastern University on the question/topic

Set lifeline3 equal to zero

Input user’s input into answer1 until it is valid

* + - * Print their total winnings when they answer the question correctly
      * Set prize equal to **250000**
  + Else if the random integer is 3
    - Do while the answer is not the following choices given, quit ‘q’, or one of the lifelines available (1, 2, or 3) – not valid
      * Prompt the user to answer the **third** option question for the **thirteenth** level, along with the four choices
      * Print the lifelines options
      * Input the user’s answer
      * Do while the answer is not correct
        + If the user’s input is not the following choices given, quit ‘q’, or one of the lifeline options

Print a message that the user’s input is invalid

Input user’s answer until it is valid

* + - * + Else if the user’s input is incorrect or ‘q’

Print a message that the user’s input is incorrect, and their earnings so far

Delay for three seconds (3000 milliseconds)

Break out of loop

* + - * + Else if the lifeline has been entered again

Print a message to tell the user their input is invalid, and the user cannot have the lifeline printed again

Input user’s input into answer1 until it is valid

* + - * + Else if user enters 1 (50/50)

Print the two options—one correct and one incorrect

Set lifeline1 equal to zero

Input user’s input into answer1 until it is valid

* + - * + Else if the user enters 2 (Poll the Audience)

Generate random number with variable winpoll, ranging from 30 to 60

Set max to equal 100 minus winpoll

Generate random number with variable poll1, ranging from 0 to the value of max

Set max to equal max minus poll1

Generate random number with variable poll2, ranging from 0 to the value of max

Set max to equal max minus poll2

Set poll3 equal to 100 minus the total of the previous poll values

Print the choices with random percentages (the right answers are weighed more) of what the audience think the answer is

Set lifeline2 equal to zero

Input user’s input into answer1 until it is valid

* + - * + Else if the user enters 3 (Ask An Expert)

Print the opinion of a professor from Eastern University on the question/topic

Set lifeline3 equal to zero

Input user’s input into answer1 until it is valid

* + - * Print their total winnings when they answer the question correctly
      * Set prize equal to **250000**
  + *LEVEL* **14***: $***500,000**
  + If the random integer is 1
    - Do while the answer is not the following choices given, quit ‘q’, or one of the lifelines available (1, 2, or 3) – not valid
      * Prompt the user to answer the **first** option question for the **fourteenth** level, along with the four choices
      * Print the lifelines options
      * Input the user’s answer
      * Do while the answer is not correct
        + If the user’s input is not the following choices given, quit ‘q’, or one of the lifeline options

Print a message that the user’s input is invalid

Input user’s answer until it is valid

* + - * + Else if the user’s input is incorrect or ‘q’

Print a message that the user’s input is incorrect, and their earnings so far

Delay for three seconds (3000 milliseconds)

Break out of loop

* + - * + Else if the lifeline has been entered again

Print a message to tell the user their input is invalid, and the user cannot have the lifeline printed again

Input user’s input into answer1 until it is valid

* + - * + Else if user enters 1 (50/50)

Print the two options—one correct and one incorrect

Set lifeline1 equal to zero

Input user’s input into answer1 until it is valid

* + - * + Else if the user enters 2 (Poll the Audience)

Generate random number with variable winpoll, ranging from 30 to 60

Set max to equal 100 minus winpoll

Generate random number with variable poll1, ranging from 0 to the value of max

Set max to equal max minus poll1

Generate random number with variable poll2, ranging from 0 to the value of max

Set max to equal max minus poll2

Set poll3 equal to 100 minus the total of the previous poll values

Print the choices with random percentages (the right answers are weighed more) of what the audience think the answer is

Set lifeline2 equal to zero

Input user’s input into answer1 until it is valid

* + - * + Else if the user enters 3 (Ask An Expert)

Print the opinion of a professor from Eastern University on the question/topic

Set lifeline3 equal to zero

Input user’s input into answer1 until it is valid

* + - * Print their total winnings when they answer the question correctly
      * Set prize equal to **500000**
  + Else if the random integer is 2
    - Do while the answer is not the following choices given, quit ‘q’, or one of the lifelines available (1, 2, or 3) – not valid
      * Prompt the user to answer the **second** option question for the **fourteenth** level, along with the four choices
      * Print the lifelines options
      * Input the user’s answer
      * Do while the answer is not correct
        + If the user’s input is not the following choices given, quit ‘q’, or one of the lifeline options

Print a message that the user’s input is invalid

Input user’s answer until it is valid

* + - * + Else if the user’s input is incorrect or ‘q’

Print a message that the user’s input is incorrect, and their earnings so far

Delay for three seconds (3000 milliseconds)

Break out of loop

* + - * + Else if the lifeline has been entered again

Print a message to tell the user their input is invalid, and the user cannot have the lifeline printed again

Input user’s input into answer1 until it is valid

* + - * + Else if user enters 1 (50/50)

Print the two options—one correct and one incorrect

Set lifeline1 equal to zero

Input user’s input into answer1 until it is valid

* + - * + Else if the user enters 2 (Poll the Audience)

Generate random number with variable winpoll, ranging from 30 to 60

Set max to equal 100 minus winpoll

Generate random number with variable poll1, ranging from 0 to the value of max

Set max to equal max minus poll1

Generate random number with variable poll2, ranging from 0 to the value of max

Set max to equal max minus poll2

Set poll3 equal to 100 minus the total of the previous poll values

Print the choices with random percentages (the right answers are weighed more) of what the audience think the answer is

Set lifeline2 equal to zero

Input user’s input into answer1 until it is valid

* + - * + Else if the user enters 3 (Ask An Expert)

Print the opinion of a professor from Eastern University on the question/topic

Set lifeline3 equal to zero

Input user’s input into answer1 until it is valid

* + - * Print their total winnings when they answer the question correctly
      * Set prize equal to **500000**
  + Else if the random integer is 3
    - Do while the answer is not the following choices given, quit ‘q’, or one of the lifelines available (1, 2, or 3) – not valid
      * Prompt the user to answer the **third** option question for the **fourteenth** level, along with the four choices
      * Print the lifelines options
      * Input the user’s answer
      * Do while the answer is not correct
        + If the user’s input is not the following choices given, quit ‘q’, or one of the lifeline options

Print a message that the user’s input is invalid

Input user’s answer until it is valid

* + - * + Else if the user’s input is incorrect or ‘q’

Print a message that the user’s input is incorrect, and their earnings so far

Delay for three seconds (3000 milliseconds)

Break out of loop

* + - * + Else if the lifeline has been entered again

Print a message to tell the user their input is invalid, and the user cannot have the lifeline printed again

Input user’s input into answer1 until it is valid

* + - * + Else if user enters 1 (50/50)

Print the two options—one correct and one incorrect

Set lifeline1 equal to zero

Input user’s input into answer1 until it is valid

* + - * + Else if the user enters 2 (Poll the Audience)

Generate random number with variable winpoll, ranging from 30 to 60

Set max to equal 100 minus winpoll

Generate random number with variable poll1, ranging from 0 to the value of max

Set max to equal max minus poll1

Generate random number with variable poll2, ranging from 0 to the value of max

Set max to equal max minus poll1

Set poll3 equal to 100 minus the total of the previous poll values

Print the choices with random percentages (the right answers are weighed more) of what the audience think the answer is

Set lifeline2 equal to zero

Input user’s input into answer1 until it is valid

* + - * + Else if the user enters 3 (Ask An Expert)

Print the opinion of a professor from Eastern University on the question/topic

Set lifeline3 equal to zero

Input user’s input into answer1 until it is valid

* + - * Print their total winnings when they answer the question correctly
      * Set prize equal to **500000**
  + *LEVEL* **15***: $***1,000,000**
  + If the random integer is 1
    - Do while the answer is not the following choices given, quit ‘q’, or one of the lifelines available (1, 2, or 3) – not valid
      * Prompt the user to answer the **first** option question for the **fifteenth** level, along with the four choices
      * Print the lifelines options
      * Input the user’s answer
      * Do while the answer is not correct
        + If the user’s input is not the following choices given, quit ‘q’, or one of the lifeline options

Print a message that the user’s input is invalid

Input user’s answer until it is valid

* + - * + Else if the user’s input is incorrect or ‘q’

Print a message that the user’s input is incorrect, and their earnings so far

Delay for three seconds (3000 milliseconds)

Break out of loop

* + - * + Else if the lifeline has been entered again

Print a message to tell the user their input is invalid, and the user cannot have the lifeline printed again

Input user’s input into answer1 until it is valid

* + - * + Else if user enters 1 (50/50)

Print the two options—one correct and one incorrect

Set lifeline1 equal to zero

Input user’s input into answer1 until it is valid

* + - * + Else if the user enters 2 (Poll the Audience)

Generate random number with variable winpoll, ranging from 30 to 60

Set max to equal 100 minus winpoll

Generate random number with variable poll1, ranging from 0 to the value of max

Set max to equal max minus poll1

Generate random number with variable poll2, ranging from 0 to the value of max

Set max to equal max minus poll2

Set poll3 equal to 100 minus the total of the previous poll values

Print the choices with random percentages (the right answers are weighed more) of what the audience think the answer is

Set lifeline2 equal to zero

Input user’s input into answer1 until it is valid

* + - * + Else if the user enters 3 (Ask An Expert)

Print the opinion of a professor from Eastern University on the question/topic

Set lifeline3 equal to zero

Input user’s input into answer1 until it is valid

* + - * Print their total winnings when they answer the question correctly
      * Print a message that they won the game
  + Else if the random integer is 2
    - Do while the answer is not the following choices given, quit ‘q’, or one of the lifelines available (1, 2, or 3) – not valid
      * Prompt the user to answer the **second** option question for the **fifteenth** level, along with the four choices
      * Print the lifelines options
      * Input the user’s answer
      * Do while the answer is not correct
        + If the user’s input is not the following choices given, quit ‘q’, or one of the lifeline options

Print a message that the user’s input is invalid

Input user’s answer until it is valid

* + - * + Else if the user’s input is incorrect or ‘q’

Print a message that the user’s input is incorrect, and their earnings so far

Delay for three seconds (3000 milliseconds)

Break out of loop

* + - * + Else if the lifeline has been entered again

Print a message to tell the user their input is invalid, and the user cannot have the lifeline printed again

Input user’s input into answer1 until it is valid

* + - * + Else if user enters 1 (50/50)

Print the two options—one correct and one incorrect

Set lifeline1 equal to zero

Input user’s input into answer1 until it is valid

* + - * + Else if the user enters 2 (Poll the Audience)

Generate random number with variable winpoll, ranging from 30 to 60

Set max to equal 100 minus winpoll

Generate random number with variable poll1, ranging from 0 to the value of max

Set max to equal max minus poll1

Generate random number with variable poll2, ranging from 0 to the value of max

Set max to equal max minus poll2

Set poll3 equal to 100 minus the total of the previous poll values

Print the choices with random percentages (the right answers are weighed more) of what the audience think the answer is

Set lifeline2 equal to zero

Input user’s input into answer1 until it is valid

* + - * + Else if the user enters 3 (Ask An Expert)

Print the opinion of a professor from Eastern University on the question/topic

Set lifeline3 equal to zero

Input user’s input into answer1 until it is valid

* + - * Print a message that they won the game
  + Else if the random integer is 3
    - Do while the answer is not the following choices given, quit ‘q’, or one of the lifelines available (1, 2, or 3) – not valid
      * Prompt the user to answer the **third** option question for the **fifteenth** level, along with the four choices
      * Print the lifelines options
      * Input the user’s answer
      * Do while the answer is not correct
        + If the user’s input is not the following choices given, quit ‘q’, or one of the lifeline options

Print a message that the user’s input is invalid

Input user’s answer until it is valid

* + - * + Else if the user’s input is incorrect or ‘q’

Print a message that the user’s input is incorrect, and their earnings so far

Delay for three seconds (3000 milliseconds)

Break out of loop

* + - * + Else if the lifeline has been entered again

Print a message to tell the user their input is invalid, and the user cannot have the lifeline printed again

Input user’s input into answer1 until it is valid

* + - * + Else if user enters 1 (50/50)

Print the two options—one correct and one incorrect

Set lifeline1 equal to zero

Input user’s input into answer1 until it is valid

* + - * + Else if the user enters 2 (Poll the Audience)

Generate random number with variable winpoll, ranging from 30 to 60

Set max to equal 100 minus winpoll

Generate random number with variable poll1, ranging from 0 to the value of max

Set max to equal max minus poll1

Generate random number with variable poll2, ranging from 0 to the value of max

Set max to equal max minus poll2

Set poll3 equal to 100 minus the total of the previous poll values

Print the choices with random percentages (the right answers are weighed more) of what the audience think the answer is

Set lifeline2 equal to zero

Input user’s input into answer1 until it is valid

* + - * + Else if the user enters 3 (Ask An Expert)

Print the opinion of a professor from Eastern University on the question/topic

Set lifeline3 equal to zero

Input user’s input into answer1 until it is valid

* + - * Print their total winnings when they answer the question correctly
      * Print a message that they won the game
  + Prompt and input the user’s input into playAgain variable if they want to play the game again