Program Code

```python
# Gaganpreet Kaur
# Random Riddle
import random
import time


def random_riddle():
  # Variable for a list of riddles
 riddle_options = [
      'How many of each species did Moses take on the ark with him?',
      'Forward I am heavy, but backward I am not?',
      "Is it legal for a man in California to marry his widow's sister?",
      "If your uncle's sister is not your aunt, what relation is she to
you?",
      "Sam's son is the brother of the only sister of Andrew. Dorothy,the
only daughter of Sam, has only 2 brothers. What is the relation between
Sam and Andrew?"
    ]

 # Variable for each riddle
 ArkRiddle = 'How many of each species did Moses take on the ark with
him?'
 WordRiddle = 'Forward I am heavy, but backward I am not?'
 MarriageRiddle = "Is it legal for a man in California to marry his
widow's sister?"
 FamilyRiddle = "If your uncle's sister is not your aunt, what relation is
she to you?"
 BrotherRiddle = "Sam's son is the brother of the only sister of Andrew.
Dorothy,the only daughter of Sam, has only 2 brothers. What is the
relation between Sam and Andrew?"

 riddle = random.choice(riddle_options)
```

```python
# List of all free-response answers that count as correct
riddle_answers_list = ["He's dead", "ton", "Noah", "footprints", 'Noah',
'noah', "Its Noah's Ark ", 'Noah ', 'noah ',"noah's ark ", 'ton', 'Ton',
'a ton', 'a Ton', 'A ton', "No, because he's dead", "man is dead", 'he is
dead','the man is dead', 'He is dead',"dead men can't marry", 'no', 'Your
mom', "your mother", "Your Mom," 'your mom', 'mom', "mother", "Sam is
Andrew's dad", "Sam is Andrew's father", "father-son", "sam is andrew's
dad", "sam is andrew's father", "Andrew is Sam's son", "andrew is sam's
son, son-father"]

# Prints a the 1st question of the program
print("\nWant to hear a riddle? \n (a) yes \n (b) no")
answer = raw_input()
answer == answer.lower

# If the player responds "a", then print a random riddle and the
# statement "Try Guessing!", which requires an actual guess, 3 seconds later
if answer == "a":
  print ("\n" * 1), riddle
  time.sleep(3)
  the_answer = raw_input('Try Guessing!\n')

  # If the guess somewhat matches the answers in the riddle_answers_list,
  # then tell the player they are right
  if the_answer in riddle_answers_list:
    print ("That's right!")

  # If the player's guess is wrong, ask if they want the answer
  else:
    print('\nNope\n')
    answer = raw_input('Wanna know? \n (c) yes \n (d) no \n')
```

```python
# Print the answer of the riddle if they respond "c"
if answer == "c":
    # Different riddles are assigned different answer
    # Use time.sleep to create suspense
    if riddle == MarriageRiddle:
        print ("\n" * 1)
        print ('The answer is...........')
        time.sleep(2)
        print ("No, because he's dead")
```

```python
if riddle == WordRiddle:
    ("\n" * 1)
    print ('The answer is...........')
    time.sleep(2)
    print ('A ton')


if riddle == ArkRiddle:
    ("\n" * 1)
    print ('The answer is...........')
    time.sleep(2)
    print ("None, it was Noah's Ark")


if riddle == FamilyRiddle:
    ("\n" * 1)
    print ('The answer is...........')
    time.sleep(2)
    print ("She's your mom")


if riddle == BrotherRiddle:
    ("\n" * 1)
```
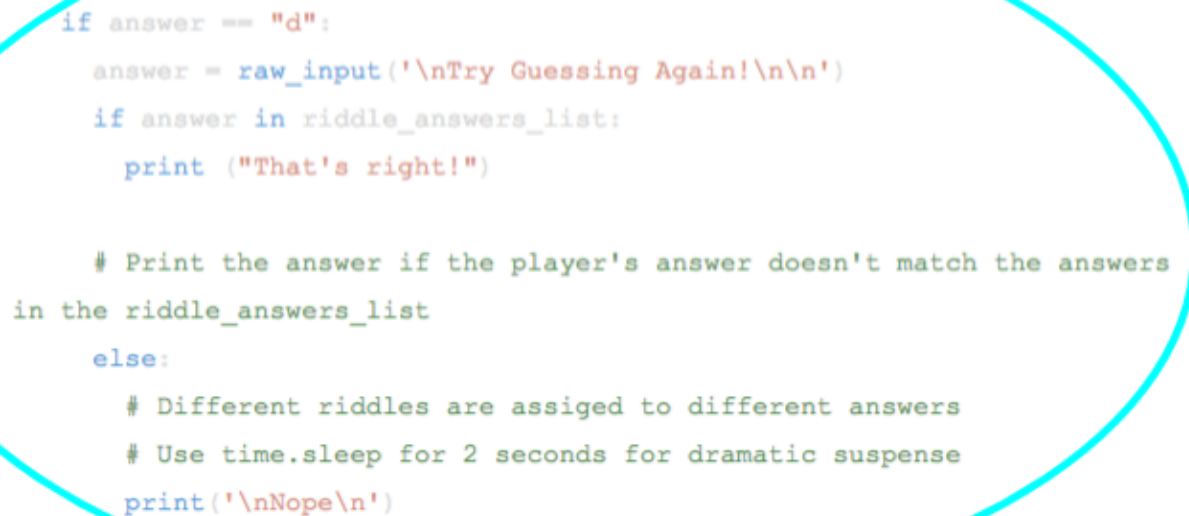
```python
        print ('The answer is...........')
        time.sleep(2)
        print ("Sam is Andrew's dad")


    # Allow the player to answer again if their response is no to the 2nd
question

        if answer == "d":
            answer = raw_input('\nTry Guessing Again!\n\n')
            if answer in riddle_answers_list:
              print ("That's right!")

            # Print the answer if the player's answer doesn't match the answers
        in the riddle_answers_list
            else:
              # Different riddles are assiged to different answers
              # Use time.sleep for 2 seconds for dramatic suspense
              print('\nNope\n')


if riddle == MarriageRiddle:
        ("\n" * 1)
        print ('The answer is...........')
        time.sleep(2)
        print ("No, because he's dead")


    if riddle == WordRiddle:
        ("\n" * 1)
        print ('The answer is...........')
        time.sleep(2)
        print ('A ton')
```

```python
        if riddle == ArkRiddle:
            ("\n" * 1)
            print ('The answer is...........')
            time.sleep(2)
            print ("None, it was Noah's Ark")

        if riddle == FamilyRiddle:
            ("\n" * 1)
            print ('The answer is...........')
            time.sleep(2)
            print ("She's your mom")

        if riddle == BrotherRiddle:
            ("\n" * 1)
            print ('The answer is...........')
            time.sleep(2)
            print ("Sam is Andrew's dad")

 # If the player reponds "b", then print a random riddle, the statement
"It doesn't matter", and the statement "Try Guessing!", which requires an
actual guess, 3 seconds later
 if answer == "b":
  print "\nIt doesn't matter.", ("\n" * 2), riddle
  time.sleep(3)
  the_answer = raw_input('Try Guessing!\n\n')

  # If the guess somewhat matches the answers in the riddle_answers_list,
then tell the player they are right
  if the_answer in riddle_answers_list:
   print ("That's right!")

  # If the player's guess is wrong, ask if they want the answer
  else:
```

```python
print('\nNope\n')
answer = raw_input('Wanna know? \n (c) yes \n (d) no \n')


# Print the answer of the riddle if they respond "c"
if answer == "c":
    if riddle == MarriageRiddle:
        ("\n" * 1)
        print ('The answer is...........')
        time.sleep(2)
        print ("No, because he's dead")


    if riddle == WordRiddle:
        ("\n" * 1)
        print ('The answer is...........')
        time.sleep(2)
        print ('A ton')


    if riddle == ArkRiddle:
        ("\n" * 1)
        print ('The answer is...........')
        time.sleep(2)
        print ("None, it was Noah's Ark")


    if riddle == FamilyRiddle:
        ("\n" * 1)
        print ('The answer is...........')
        time.sleep(2)
        print ("She's your mom")


    if riddle == BrotherRiddle:
        ("\n" * 1)
        print ('The answer is...........')
        time.sleep(2)
        print ("Sam is Andrew's dad")
```

```python
if answer == "d":
    answer = raw_input('\nTry Guessing Again!\n\n')
    if answer in riddle_answers_list:
        print ("That's right!")

    else:
        print('\nNope\n')
        if riddle == MarriageRiddle:
            ("\n" * 1)
            print ('The answer is...........')
            time.sleep(2)
            print ("No, because he's dead")

        if riddle == WordRiddle:
            ("\n" * 1)
            print ('The answer is...........')
            time.sleep(2)
            print ('A ton')

        if riddle == ArkRiddle:
            ("\n" * 1)
            print ('The answer is...........')
            time.sleep(2)
            print ("None, it was Noah's Ark")

        if riddle == FamilyRiddle:
            ("\n" * 1)
            print ('The answer is...........')
            time.sleep(2)
            print ("She's your mom")

        if riddle == BrotherRiddle:
            ("\n" * 1)
```

```python
        print ('The answer is...........')
        time.sleep(2)
        print ("Sam is Andrew's dad")


random_riddle()
```