```python
1  # Reese Kinkade The integration project that I made is a puzzle story game that
     asks questions to solve the
2  # puzzles/riddles. The website I used to help:
3  # https://www.studytonight.com/post/the-sep-and-end-parameters-in-python-print-
     statement#:~:text=The%20end
4  # %20parameter%20The%20end%20parameter%20is%20used,specify%20the%20parameter%
     20end%20as%20%27%20%20%27.
5  print("Welcome to my integration project!")
6  import sys
7
8
9  # The import sys makes it so that I can call upon system exit, so if the player
     decides not play they can leave the
10 # program
11 def main():
12     answer0 = input("Would you like to play the hardest puzzle of your life? ")
13     if answer0 == 'Yes' or 'yes':
14         print("Ok lets continue")
15
16     elif answer0 == 'No' or 'no':
17         print("Ok have a great day!")
18         sys.exit(0)
19     else:
20         main()
21
22
23 main()
24 name = input("What is your name?")
25 print("Hello my name is Avogadro")
26 print("As you probably know this is my test to determine the smartest of humans
     .")
27 print("You have a 0% chance of completing this test. This is because no one has
     passed my test")
28 start = input("Are ready for the hardest test of your life?")
29 # The input is the start of the test
30 print("Well lets get started")
31 print("The first step is to solve The Avogadro Puzzle")
32 print("Solve the first step to The Avogadro Puzzle")
33 print("What is the answer to 5+5?")
34 print(5 + 5)
35 print("Congratulations you have completed the first step!")
36 print("The second step to solve the Avogadro Puzzle is subtract 10-5, what is
     the solution to this equation?")
37 print(10 - 5)
38 print("Success, however it is only going to get progressively harder")
39 answer = input("Are you ready?:")
40 print("Multiply 25*25", not "12")
41 print(25 * 25)
42 print("Nice, now divide those two numbers")
43 print(25 / 25)
44 print("Next, Find the remainder of 30 divided by 7")
45 print(30 % 7)
46 print("Wow, I didn't think that you would get that one, find the exponent of 6
     to the second power")
47 print(6 ** 2)
48 print("Im impressed can you find how many times 3 goes into 7 using floor
     division?")
49 print(7 // 3)
50 print("Now can you repeat Hello my name is Avogadro 10 times?")
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51  print("Hello my name is Avogadro" * 10)
52  answer2 = input("Enter how many people do you think have tried and failed my
    test?")
53  print("Wrong I have had 100's in fact 152 people attempt this puzzle try and
    fail, not ONE has PASSED")
54  answer3 = input("What makes you think you are any different?")
55  answer4 = input("Well you will not pass anyway so lets get started again. Are
    you ready?")
56  answer5 = input("Who is the lead actor in Mission Impossible?")
57  answer6 = input("Who is my favorite actor in Mission Impossible?")
58  print("Ha you caught me my favorite actor has nothing to do with the test. I
    was just seeing if you would catch on")
59  print("Now lets continue, show me how to add two literal strings.")
60  a = "Hi "
61  b = "How are you"
62  # a and b make sure that you can add two strings
63  print(a + b)
64  print("Good now continue using these string literals without adding them")
65  print("Hi", end=' ')
66  print("How are you")
67  print("Great job now do it without adding and without end=:")
68  print("Hi", "How are you", sep=' ')
69  answer7 = input("Are you ready for the last question of the first part of the
    test?")
70  print("Great here is the question")
71  print("What is the answer to this equation? 10+5/5-2:")
72  print("9")
73  answer8 = input(
74      "Good wow you have successfully have completed the first part of test!
    Only 80% of people continue to the second"
75      " test"  ","  " but you will fail the next, how do you feel?")
76  secondPart = input("Are your ready to start the second test of the puzzle?")
77  # This starts the second part of the test/puzzle
78  print("Ok lets begin")
79  answer9 = input("What does i+=1 do?")
80  print("Correct now try that but with subtraction")
81  print("i-=1")
82  print("Very good I am surprised by how well you are doing, but you will not be
    so lucky")
83  print("Ok now find the range of positive numbers before 10")
84  range(10)
85  var = [0, 1, 2, 3, 4, 5, 6, 7, 8, 9]
86  # This creates the range of the numbers before 10
87  for x in range(10):
88      print(x)
89
90  answer10 = input("What month is it?")
91  print("Ok what number month is October?")
92  print("10")
93  print("Good, now find out whether 10 is a prime or composite number using a
    while loop")
94
95
96  def inputData():
97      answer11 = int(input("Enter a Number: ", 10))
98      return number
99
100
101 # This enters a number 10 and then the program find out if it is prime
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102 def validate_Answer11(answer11):
103     n = 10
104     while answer11 > n:
105         if answer11 % n == 0 and n != answer11:
106             print("This number is composite")
107             break
108         else:
109             print("This number is prime")
110             break
111     return answer11
112
113     inputData()
114     validateAnswer11()
115
116
117 # This program uses the input 10 to determine if it is prime or composite, it
    is composite
118 print("Good you have found out how that 10 is a composite number")
119 answer12 = input("Now let's move past that, are you ready? ")
120 print("Good lets continue")
121 equation = input("What is the equation for the pythagorean theorem?")
122 print("Alright what is c if a is 5 and b is 6? ")
123 answer13 = input("Im waiting...")
124 print("Good, I am glad you know that the answer is roughly 7.8 and im glad to
    know you understand a little math")
125 print("Alright lets ramp up the math! ")
126 mathRamp = input("Are you ready?")
127 mathRamp2 = input("Are you sure you are ready?...")
128 print("Ok good")
129 print("What is the answer to y= x(x^2+3), if x= 5")
130 mathRamp3 = input("You are taking awhile lets hurry this up. What is your
    answer?")
131 print("Good, you must have had a good alegbra teacher")
132
133 print("Good... Congratulations you have passed!")
134 print("Huh what do you mean?")
135 print("You passed the Avogadro Puzzle! It is was a game based on patience not
    on intelligence!")
136 print("The puzzle is made up to to test your patience and see if you would
    follow through.")
137 print("So congratulations!")
138 print("Oh ok. Was I the only one who passed?")
139 print("Yes, everyone else quit.")
140 print("Did you lie about how many people participated?")
141 print("Yes I did.")
142 print("This was only because you would have had a 14% chance of quitting
    before the game was over")
143 print("Sorry to lie, but it was the only way to ensure the you had a higher
    chance to succeed")
144 print("Okay how many people took this test?")
145 print("Over 2 million people worldwide who took this Puzzle")
146 print("What else did you lie about?")
147 print("Nothing that was the only form of deception in this puzzle")
148 print("So what you are saying is that I am the only person to pass?")
149 print("Yes congratulations!")
150 print("You were the first to complete Avogadro's Puzzle!")
151
```