CodeHS

Create Task - No Pop-Up Input Window

main.py

```python
1.  import random
2.
3.  #Below is the beginnging of the game. It introduced it and informs the user the rules/instructions and examples so they dont
    get stuck.
4.
5.  print("Hello! Welcome To The Colors Game (for grades k-12)")
6.  print("__")
7.
8.  print("RULES: ")
9.  print("1. Think of a color that is produced by the two colors that are named")
10. print("2. You will have three chances to get the correct answer")
11. print("3. Dont use pural words")
12. print("4. When answering challenge question, seperate the two shapes with a comma and put a space (See challenge example if
    stuck or confused)")
13. print("5. Only use spaces on challenge problem")
14. print("6. If you get it wrong, but get it correct on the second try, you have to retype it on the third try. To confirm your
    knowledge")
15. print("__")
16.
17. print("EXAMPLE: ")
18. print("If question asks, What color is made by mixing red and yellow you would response with |blue|")
19. print("__")
20. print("CHALLENGE EXAMPLE:")
21. print("If the question asks, What two colors create light blue, you response with |white, blue| ")
22. print("__")
23.
24. print(" ")
25. print("Answer the first question to start")
26. print("_____")
27. print(" ")
28.
29.
30. #Below is the response list which the output after the user answers the questions.
31.
32. response_list = ["Try agian", "You nailed it! your awsome", "Keep up the good work!", "Correct!", "hmm not quite right", "not
    quite right, you have one more chance", "Great job!"]
33.
34.
35. #Below is the first question which has a list that holds all the correct answer choices.
36. #It has the define function that defines the entires first question.
37. # it uses the response_list and had user input to input the question.
38.
39.
40. purple_list = ["Purple", "purple", "PURPLE"]
41.
42. first_input = input("What color is made by mixing the colors red & blue?: ")
43.
44. def purple_question(first_input):
45.     if first_input in purple_list:
46.         print(" ")
47.         print(response_list[1] or response_list[2])
48.         print(" ")
49.     else:
50.         print(response_list[0])
51.         print(" ")
52.         for i in range(2):
53.             Try_agian_input = input("What color is made by mixing the colors, red & blue together?: ")
54.             if Try_agian_input in purple_list:
55.                 print(" ")
56.                 print(response_list[3])
57.                 print(" ")
58.             else:
59.                 print(response_list[4])
60.                 print(" ")
61.
62. purple_question(first_input)
63.
64. print("---")
65.
66.
67. #Below is the second question, it has the define function to define the output to whatever the user responses with
68. #It has the list that hold all the correct answers
69. #It uses the response_list, and user input
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70.
71.
72.  green_list = ["Green", "green", "GREEN"]
73.
74.  second_input = input("What color is made by mixing the colors, blue & yellow?: ")
75.
76.  def green_question(second_input):
77.      if second_input in green_list:
78.          print(" ")
79.          print(response_list[2] or response_list[1])
80.          print(" ")
81.      else:
82.          print(response_list[0])
83.          print(" ")
84.          for i in range(2):
85.              try_agian_input3 = input("What color is made by mixing the colors, blue & yellow?: ")
86.              if try_agian_input3 in green_list:
87.                  print(" ")
88.                  print(response_list[3])
89.                  print(" ")
90.              else:
91.                  print(response_list[4])
92.                  print(" ")
93.
94.  green_question(second_input)
95.
96.  print("---")
97.
98.
99.  #Below is the third question, it uses user input and includes the response_list
100. #It defines the third question and has output for if the user gets the answer correct or not
101. #IT has a list that holds all the correct answers
102.
103.
104. pink_list = ["Pink", "pink", "PINK"]
105.
106. third_input = input("What color is made by mixing the colors, red & white?: ")
107.
108. def pink_question(third_input):
109.     if third_input in pink_list:
110.         print(" ")
111.         print(response_list[1] or response_list[2])
112.         print(" ")
113.     else:
114.         print(response_list[0])
115.         print(" ")
116.         for i in range(2):
117.             try_agian_input4 = input("What color is made by mixing the colors, red & White?: ")
118.             if try_agian_input4 in pink_list:
119.                 print(" ")
120.                 print(response_list[3])
121.                 print(" ")
122.             else:
123.                 print(response_list[4])
124.                 print(" ")
125.
126. pink_question(third_input)
127.
128. print("---")
129. print(" ")
130.
131.
132. #Below is the challenge question, which is a bouns
133. # it has user input and is basically like the other three questions, it includes the reponse_list as well
134. #It inlcudes a list that holds the correct answers
135.
136.
137. print("Challenge Question - ")
138. print(" ")
139.
140. challenge_list = ["red, yellow", "RED, YELLOW", "RED, yellow", "YELLOW, red", "Red, Yellow", "Yellow, Red", "YellOW, RED", "yello
141.
142. challenge_input = input("What two colors mix to create the color orange?: ")
143.
144. print(" ")
145.
146. def challenge_question(challenge_input):
147.     if challenge_input in challenge_list:
148.         print(" ")
149.         print(response_list[2] or response_list[1])
150.         print(" ")
151.     else:
152.         print(response_list[5])
153.         print(" ")
154.         try_again_chall_input = input("What two colors mix to create the color orange?: ")
155.         if try_again_chall_input in challenge_list:
156.             print(" ")
157.             print(response_list[6])
158.             print(" ")
159.         else:
160.             print(response_list[4])
```

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161.                print(" ")
162.
163. challenge_question(challenge_input)
164.
165. print("---")
166.
167.
168. #below is a list that is randomized to pick one of the 5 different response that will generate when the game ends
169. #It is a define function that asks the user if they want a answer key or not and then ends the game.
170. #Theres a list for all the possible way someone might type the word |yes|.
171. #It includes an user input and randomized feature.
172.
173.
174. goodbye_list = ["Hope you enjoyed the game!", "Thanks for playing!", "Come and play agian sometime!", "Did you have fun,
     playing?", "Did you get them all correct?"]
175.
176. yes_answer = ["Yes", "YES", "yes", "Ya", "ya", "Yea", "yea", "yah", "yas", "YEA", "YA"]
177.
178. answer_k = input("Would you like to see the answer key? (Type |yes| or |no|): ")
179.
180. print(" ")
181.
182. def answer_or_not(answer_k):
183.     if answer_k in yes_answer:
184.         print(" ")
185.         print("Answer Key:")
186.         print("1. Purple")
187.         print("2. Green")
188.         print("3. Pink")
189.         print(" ")
190.         print("Challenge Question = Red, Yellow or Yellow, Red")
191.         print("_____")
192.         print(" ")
193.         random_element = random.choice(goodbye_list)
194.         print(random_element)
195.     else:
196.         print(" ")
197.         random_element = random.choice(goodbye_list)
198.         print(random_element)
199.
200. answer_or_not(answer_k)
201.
202. print(" ")
203.
204.
205.
206.
207.
208.
209.
210.
211.
212.
213.
214.
215. #bye
```