Question 1:

Hangman:

import random import random as rand from typing import List

Initialize the hangman states

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hangman_state = [ r"""
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word list: List[str] = ["python", "hangman", "challenge",
"programming","developer"]
Def get random word(): return
random.choice(word_list).upper()
def display_hangman(stage): print(hangman_state[stage])
def main(): word = get random word() palabra = " " *
len(word) letters: List[int] = [] attempts = 6 print("Welcome to
hangman!")
while attempts != 0:
  if attempts is 6: # display hangman at the beginning
    display hangman(attempts)
  else:
    display hangman(attempts)
  print("Current word: ", " ".join(palabra))
  print(f"Guessed letters: {letters}")
  buf = input("Please make your guess here: 1 character or full
word").upper()
```

```
if len(buf) == 1 and buf.isalpha():
    if buf in letters:
       print("You have already guessed that letter.")
    else:
       if buf in word:
       print("Good Work! "", buf, "' is a part of the word.")
       letters.append(buf)
       palabra = ""
       for letter in word:
         if letter in letters:
           palabra+=letter
         else:
           palabra+='_'
       if "_" in palabra:
         print(f"Congratulations!!! You have guessed the
correct word: {word}")
```