1. What will the following code print?

def anagrams(s):

  if s == "":

      return[s]

  else:

      ans = []

      for w in anagrams(s[1:]):

          for pos in range(len(w)+1):

              ans.append(s[0]+w[pos:])

      return ans

print(anagrams("Big"))

1. ['Big', 'Bg', 'B', 'Bi', 'B']
2. ['Big', 'iBg', 'igB', 'Bgi', 'gBi', 'giB']
3. ['B', 'iB', 'B', 'gB', 'giB']
4. None of the above

* **Author**: Tradd Schmidt
* **Topic**: A13
* **Level**: Application
* **Level Reason**: The person will have to apply their knowledge of recursion to a question
* **Answer**: A

1. What is needed for a recursive function to not run infinitely?
2. Break
3. A base case
4. Yield
5. Pass
6. A recursive function will never run infinitely.

* **Author**: Tradd Schmidt
* **Topic**: A13
* **Level**: Knowledge
* **Level Reason**: It is a simple reacalling of an idea

**Answer**: B.