

Question: Changing the output in generator expressions

Correct Answer and Explanation:

```
Code Implementation:
# Create a list of strings
lannister = ['cersei', 'jaime', 'tywin', 'tyrion', 'joffrey']

# Define generator function get_lengths
def get_lengths(input_list):
    """Generator function that yields the
    length of the strings in input_list."""

# Yield the length of a string
for person in input_list:
    yield len(person)

# Print the values generated by get_lengths()
for value in get_lengths(lannister):
    print(value)
```

Explanation:

- 1. `lannister = ['cersei', 'jaime', 'tywin', 'tyrion', 'joffrey']`:
- Initializes a list of strings representing names of Lannister family members.
- 2. `def get lengths(input list):`:
- Defines a generator function that takes an input list and yields the length of each string in the list.
- 3. `for person in input list:`:
- Loops through each element in the input list and calculates the length of the string.
- 4. 'yield len(person)':
- The generator function yields the length of each string in the input list one by one.
- 5. `for value in get lengths(lannister):`:
- This loop calls the generator function `get_lengths` and iterates over the values it yields.
- 6. `print(value)`:
 - Prints each length as generated by the `get_lengths` function.