**Questions 1 : List and its default functions.**

**ANS:**

1. **append():** To add an item to the end of the list, use the append() method:
2. **insert():** To add an item at the specified index, use the insert() method:
3. **remove():**The remove() method removes the specified item:
4. **pop()** : The pop() method removes the specified index, (or the last item if index is not specified):
5. **copy():** Make a copy of a list with the copy() method:
6. **clear():**The clear() method empties the list:

**Questions 2 : Dictionary and its default functions.**

**ANS:**

1. **get():**  There is also a method called get() that will give you the same result:
2. **values():** method to return values of a dictionary:
3. **items():** Loop through both keys and values, by using the items() method:
4. The **pop()** method removes the item with the specified key name:
5. The **popitem()** method removes the last inserted item (in versions before 3.7, a random item is removed instead):
6. The **clear()** method empties the dictionary:

**Questions 3: Sets and its default functions.**

1. To add one item to a set use the add() method.
2. To add more than one item to a set use the update() method.
3. To remove an item in a set, use the remove(), or the discard() method.
4. Remove the last item by using the pop() method:
5. The clear() method empties the set:

**Questions 4: Tuple and explore default methods.**

1. **Count():** Returns the number of times a specified value occurs in a tuple.
2. **Index():**Searches the tuple for a specified value and returns the position of where it was found

**Questions 5 : Strings and explore default methods.**

1. [**capitalize()**](https://www.w3schools.com/python/ref_string_capitalize.asp) **:** Converts the first character to upper case
2. **count():** Returns the number of times a specified value occurs in a string
3. [**casefold()**](https://www.w3schools.com/python/ref_string_casefold.asp) **:** Converts string into lower case
4. Center():Returns a centered string
5. Lower():Converts a string into lower case