

Questions, 12feb, 2022

1. Write a Python program to construct an infinite iterator that returns evenly spaced values starting with a specified number and step.

2. Write a Python program to generate an infinite cycle of elements from an iterable.  
Note: Iterable should be a list or a string or a dictionary, etc.

3. Write a Python program to make an iterator that drops elements from the iterable as soon as an element is a positive number.

4. Write a Python program to create an iterator that returns consecutive keys and groups from an iterable.

5. Write a Python program to split an iterable and generate iterables specified number of times.

6. Write a Python program to create an iterator to get specified number of permutations of elements.

7. Write a Python program to generate combinations of a given length of given iterable

8. Write a Python program to create Cartesian product of two or more given lists using itertools.

9. Write a Python program to choose specified number of colours from three different colours and generate all the combinations with repetitions.

10. Write a Python program to generate all possible permutations of n different objects.