Get Taxonomy Term By Level

Sometimes we need to extract only specific level of taxonomy terms.  
And in Drupal we can do it on the next way.

For example we have a some taxonomy terms tree like this:

* Drinks
  + Alcohol Drinks
    - Bear
    - Whiskey
    - Vodka
  + Alcohol Free Drinks
    - Coca Cola
    - Pepsi
    - Milk
* Fruits
  + Fruits For Losing Weight
    - Apricots
    - Blackberries
    - Cantaloupe
  + Fruits For Dogs
    - Strawberry
    - Watermelon
    - Orange
* Foods
  + Fast Foods
    - Hamburger
    - Pizza
    - KFC
  + Healthy Foods
    - Almonds
    - Oily Fish
    - Avocados

Extract only first level

1. $tree = \Drupal::entityTypeManager()->getStorage('taxonomy\_term')->loadTree(
2. 'some\_vocabulary', // This is your taxonomy term vocabulary (machine name).
3. 0, // This is "tid" of parent. Set "0" to get all.
4. 1, // Get only 1st level.
5. TRUE // Get full load of taxonomy term entity.
6. );
8. $result = array();
10. **foreach** ($tree **as** $term) {
11. $result[] = $term->getTerm();
12. }
14. print\_r($result);
16. Array
17. (
18. [0] => Drinks
19. [1] => Fruits
20. [2] => Foods
21. )

Extract 1st and 2nd levels

1. $tree = \Drupal::entityTypeManager()->getStorage('taxonomy\_term')->loadTree(
2. 'some\_vocabulary', // This is your taxonomy term vocabulary (machine name).
3. 0, // This is "tid" of parent. Set "0" to get all.
4. 2, // Get terms from 1st and 2nd levels.
5. TRUE // Get full load of taxonomy term entity.
6. );
8. $result = array();
10. **foreach** ($tree **as** $term) {
11. $result[] = $term->getTerm();
12. }
14. print\_r($result);
16. Array
17. (
18. [0] => Drinks
19. [1] => Alcohol Drinks
20. [2] => Alcohol Free Drinks
21. [3] => Fruits
22. [4] => Fruits For Losing Weight
23. [5] => Fruits For Dogs
24. [6] => Foods
25. [7] => Fast Foods
26. [8] => Healthy Foods
27. )

Extract only 2nd level

1. $tree = \Drupal::entityTypeManager()->getStorage('taxonomy\_term')->loadTree(
2. 'some\_vocabulary', // This is your taxonomy term vocabulary (machine name).
3. 0, // This is "tid" of parent. Set "0" to get all.
4. 2, // Get terms from 1st and 2nd levels.
5. TRUE // Get full load of taxonomy term entity.
6. );
8. $result = array();
10. **foreach** ($tree **as** $term) {
11. // We get 1st and 2nd levels, also we check parents (only 2nd level has parents).
12. **if** (!empty(\Drupal::entityTypeManager()->getStorage('taxonomy\_term')->loadParents($term->id()))) {
13. $result[] = $term->getTerm();
14. }
15. }
17. print\_r($result);
19. Array
20. (
21. [0] => Alcohol Drinks
22. [1] => Alcohol Free Drinks
23. [2] => Fruits For Losing Weight
24. [3] => Fruits For Dogs
25. [4] => Fast Foods
26. [5] => Healthy Foods
27. )

Extract 2nd and 3rd levels

1. $tree = \Drupal::entityTypeManager()->getStorage('taxonomy\_term')->loadTree(
2. 'some\_vocabulary', // This is your taxonomy term vocabulary (machine name).
3. 0, // This is "tid" of parent. Set "0" to get all.
4. 3, // Get terms from 1st, 2nd and 3rd levels.
5. TRUE // Get full load of taxonomy term entity.
6. );
8. $result = array();
10. **foreach** ($tree **as** $term) {
11. // We get 2nd and 3rd levels, also we check parents (1st level does not have parents).
12. **if** (empty(\Drupal::entityTypeManager()->getStorage('taxonomy\_term')->loadParents($term->id()))) {
13. $result[] = $term->getTerm();
14. }
15. }
17. print\_r($result);
19. Array
20. (
21. [0] => Alcohol Drinks
22. [1] => Bear
23. [2] => Whiskey
24. [3] => Vodka
25. [4] => Alcohol Free Drinks
26. [5] => Coca Cola
27. [6] => Pepsi
28. [7] => Milk
29. [8] => Fruits For Losing Weight
30. [9] => Apricots
31. [10] => Blackberries
32. [11] => Cantaloupe
33. [12] => Fruits For Dogs
34. [13] => Strawberry
35. [14] => Watermelon
36. [15] => Orange
37. [16] => Fast Foods
38. [17] => Hamburger
39. [18] => Pizza
40. [19] => KFC
41. [20] => Healthy Foods
42. [21] => Almonds
43. [22] => Oily Fish
44. [23] => Avocados
45. )

Extract only last level

1. $tree = \Drupal::entityTypeManager()->getStorage('taxonomy\_term')->loadTree(
2. 'some\_vocabulary', // This is your taxonomy term vocabulary (machine name).
3. 0, // This is "tid" of parent. Set "0" to get all.
4. NULL, // Get all levels.
5. TRUE // Get full load of taxonomy term entity.
6. );
8. $result = array();
10. **foreach** ($tree **as** $term) {
11. **if** (empty(\Drupal::entityTypeManager()->getStorage('taxonomy\_term')->loadChildren($term->id()))) {
12. $result[] = $term->getTerm();
13. }
14. }
16. print\_r($result);
18. Array
19. (
20. [1] => Bear
21. [2] => Whiskey
22. [3] => Vodka
23. [4] => Coca Cola
24. [5] => Pepsi
25. [6] => Milk
26. [7] => Apricots
27. [8] => Blackberries
28. [9] => Cantaloupe
29. [10] => Strawberry
30. [11] => Watermelon
31. [12] => Orange
32. [13] => Hamburger
33. [14] => Pizza
34. [15] => KFC
35. [16] => Almonds
36. [17] => Oily Fish
37. [18] => Avocados
38. )