

1. What is the collection framework in java?

Ans- Collection framework is a set of interfaces and classes. That is used to store and operation on data.

2. What is the difference between arraylist and linkedlist?

Ans- Arraylist- Arraylist is a class of list interface that has only list interface methods.

LinkedList- LinkedList is a class of list interface and it is also implemented dequeue interface. It has list and dequeue interfaces methods.

3. What is the difference between iterator and listiterator?

Ans- Iterator- It is used to fetch and access the object one by one from collection. It is a universal cursor.

Ex- Iterator itr=c.iterator();

Here, c is a collection of objects;

ListIterator- It is a child interface of iterator. It is a bi-directional cursor, so it can fetch object both side forward and backward.

4. What is the difference between Iterator and Enumeration?

Ans- Iterator- It is used to fetch and access the object one by one from collection. It is a universal cursor.

Ex- Iterator itr=c.iterator();

Here, c is a collection of objects;

Enumeration- It is a cursor that is used to fetch the object one by one from the collection of legacy classes.

5. What is the difference list and set?

Ans- List- List is an interface that extends collection interface. List has two main classes -ArrayList, LinkedList.

Set- Set is also an interface that extends collection interface. Set has two main class – HashSet, LinkedHashSet.

6. What is the difference between HashSet and TreeSet?

Ans- HashSet is a class that implements Set interface and TreeSet is also a class but that implements Sorted Set interface which is the sub interface of the set interface.

7. What is the difference between Array and ArrayList?

Ans- Array- Array is linear data structure that stores only homogenous type data. The main disadvantage of array is fixed size.

ArrayList- ArrayList is an of collection interface that stores homogenous and heterogenous typed data. The main advantage of arraylist is dynamic size.