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| **Sr.No** | **Methods with Description** |
| 1 | **def +(elem: A): Set[A]**  Creates a new set with an additional element, unless the element is already present. |
| 2 | **def -(elem: A): Set[A]**  Creates a new set with a given element removed from this set. |
| 3 | **def contains(elem: A): Boolean**  Returns true if elem is contained in this set, false otherwise. |
| 4 | **def &(that: Set[A]): Set[A]**  Returns a new set consisting of all elements that are both in this set and in the given set. |
| 5 | **def &~(that: Set[A]): Set[A]**  Returns the difference of this set and another set. |
| 6 | **def +(elem1: A, elem2: A, elems: A\*): Set[A]**  Creates a new immutable set with additional elements from the passed sets |
| 7 | **def ++(elems: A): Set[A]**  Concatenates this immutable set with the elements of another collection to this immutable set. |
| 8 | **def -(elem1: A, elem2: A, elems: A\*): Set[A]**  Returns a new immutable set that contains all elements of the current immutable set except one less occurrence of each of the given argument elements. |
| 9 | **def addString(b: StringBuilder): StringBuilder**  Appends all elements of this immutable set to a string builder. |
| 10 | **def addString(b: StringBuilder, sep: String): StringBuilder**  Appends all elements of this immutable set to a string builder using a separator string. |
| 11 | **def apply(elem: A)**  Tests if some element is contained in this set. |
| 12 | **def count(p: (A) => Boolean): Int**  Counts the number of elements in the immutable set which satisfy a predicate. |
| 13 | **def copyToArray(xs: Array[A], start: Int, len: Int): Unit**  Copies elements of this immutable set to an array. |
| 14 | **def diff(that: Set[A]): Set[A]**  Computes the difference of this set and another set. |
| 15 | **def drop(n: Int): Set[A]]**  Returns all elements except first n ones. |
| 16 | **def dropRight(n: Int): Set[A]**  Returns all elements except last n ones. |
| 17 | **def dropWhile(p: (A) => Boolean): Set[A]**  Drops longest prefix of elements that satisfy a predicate. |
| 18 | **def equals(that: Any): Boolean**  The equals method for arbitrary sequences. Compares this sequence to some other object. |
| 19 | **def exists(p: (A) => Boolean): Boolean**  Tests whether a predicate holds for some of the elements of this immutable set. |
| 20 | **def filter(p: (A) => Boolean): Set[A]**  Returns all elements of this immutable set which satisfy a predicate. |
| 21 | **def find(p: (A) => Boolean): Option[A]**  Finds the first element of the immutable set satisfying a predicate, if any. |
| 22 | **def forall(p: (A) => Boolean): Boolean**  Tests whether a predicate holds for all elements of this immutable set. |
| 23 | **def foreach(f: (A) => Unit): Unit**  Applies a function f to all elements of this immutable set. |
| 24 | **def head: A**  Returns the first element of this immutable set. |
| 25 | **def init: Set[A]**  Returns all elements except the last. |
| 26 | **def intersect(that: Set[A]): Set[A]**  Computes the intersection between this set and another set. |
| 27 | **def isEmpty: Boolean**  Tests if this set is empty. |
| 28 | **def iterator: Iterator[A]**  Creates a new iterator over all elements contained in the iterable object. |
| 29 | **def last: A**  Returns the last element. |
| 30 | **def map[B](f: (A) => B): immutable.Set[B]**  Builds a new collection by applying a function to all elements of this immutable set. |
| 31 | **def max: A**  Finds the largest element. |
| 32 | **def min: A**  Finds the smallest element. |
| 33 | **def mkString: String**  Displays all elements of this immutable set in a string. |
| 34 | **def mkString(sep: String): String**  Displays all elements of this immutable set in a string using a separator string. |
| 35 | **def product: A**  Returns the product of all elements of this immutable set with respect to the \* operator in num. |
| 36 | **def size: Int**  Returns the number of elements in this immutable set. |
| 37 | **def splitAt(n: Int): (Set[A], Set[A])**  Returns a pair of immutable sets consisting of the first n elements of this immutable set, and the other elements. |
| 38 | **def subsetOf(that: Set[A]): Boolean**  Returns true if this set is a subset of that, i.e. if every element of this set is also an element of that. |
| 39 | **def sum: A**  Returns the sum of all elements of this immutable set with respect to the + operator in num. |
| 40 | **def tail: Set[A]**  Returns a immutable set consisting of all elements of this immutable set except the first one. |
| 41 | **def take(n: Int): Set[A]**  Returns first n elements. |
| 42 | **def takeRight(n: Int):Set[A]**  Returns last n elements. |
| 43 | **def toArray: Array[A]**  Returns an array containing all elements of this immutable set. |
| 44 | **def toBuffer[B >: A]: Buffer[B]**  Returns a buffer containing all elements of this immutable set. |
| 45 | **def toList: List[A]**  Returns a list containing all elements of this immutable set. |
| 46 | **def toMap[T, U]: Map[T, U]**  Converts this immutable set to a map |
| 47 | **def toSeq: Seq[A]**  Returns a seq containing all elements of this immutable set. |
| 48 | **def toString(): String**  Returns a String representation of the object. |