**Write a program 1 to 10**

1. **Write a Java program to remove the third element from a array list.**
2. **Write a Java program to sort a given array list.**
3. **Write a Java program of swap two elements in an array list**
4. **Program to read n elements from user, insert into stack and remove these to display.**
5. **Program to create linked list of integer objects and do following operations:**

**Add element to 1st position.**

**Delete last element.**

**6).Read in a series of 1st names and store them in LinkedList. Program should not allow duplicate names and it should allow user to search for 1st name**

**7) Write a program to group the student objects in HashSet and**

**perform the operations to retrieving all objects while retrieving delete**

**all objects ?**

**8) . Use Map Interface. Ex(Key is like Album and Value like Song).**

**You will produce a music library with functionality similar to programs such as Media Player and Apple iTunes. Your program will allow the user to:**

**View a list of all the songs in the library and see information about each song, including the album on which it appears and the artist(s) who performed it.**

**View a list of all the artists in the library.**

**View a list of all the albums in the library.**

**View a list of all the songs by a particular artist.**

**View a list of all the songs on a particular album.**

**Add songs to and remove them from the library.**

**Add artists to and remove them from songs.**

**Add songs to and remove them from albums.**

**9).Display the TreeSet String Objects in descending order**

**10)** **Write a program to accept courses from user and push into the stack and remove the given course from Stack.**

**10-20**

**Q. Collection stores only ?**

|  |  |
| --- | --- |
| **A. object type data** | **B. primitive type data** |
| **C. string type data** | **D. All of the above** |

**Q. Which type of exception is thrown if you try to add an element to an already full Collection ?**

|  |  |
| --- | --- |
| **A. IllegalArgumentException** | **B. IllegalStateException** |
| **C. ClassCastException** | **D. NullPointerException** |

**Q. Which interface does NavigableSet implements ?**

|  |  |
| --- | --- |
| **A. Set** | **B. List** |
| **C. Collection** | **D. SortedSet** |

**Q. What does get(int index) method define by List interface do ?**

|  |
| --- |
| **A. returns an object stored at the specified index** |
| **B. stores an object at the specified index** |
| **C. returns a list containing elements between specified index and end in the collection.** |
| **D. none of the above.** |

**Q. Which of the following interface guarantees that no duplicates elements are stored and all elements are accessed in natural order ?**

|  |  |
| --- | --- |
| **A. java.util.List** | **B. java.util.Set** |
| **C. java.util.Deque** | **D. java.util.Map** |

**Q. Which of the following statement is not true about ArrayList class ?**

|  |
| --- |
| **A. ArrayList class extends AbstractList class and implements the List interface** |
| **B. ArrayList supports dynamic array that can grow as needed** |
| **C. ArrayLists are synchronized.** |
| **D. It can coontain Duplicate elements and maintains the insertion order** |

**Q. Which of the following statement is true about TreeSet class ?**

|  |
| --- |
| **A. TreeSet extends AbstractList class and implements the List interface.** |
| **B. Access and retrieval times are quite slow.** |
| **C. TreeSet stores elements sorted ascending order** |
| **D. Uses a LinkedList structure to store elements** |

**Q. Which class does java.util.Properties extends ?**

|  |  |
| --- | --- |
| **A. java.util.HashMap** | **B. java.util.Hashtable** |
| **C. java.util.LinkedHashMap** | **D. java.util.LinkedList** |

**Q. Which interface is used to traverse a list in both forward and backward direction ?**

|  |  |
| --- | --- |
| **A. Iterator interface** | **B. ListIterator interface** |
| **C. Enumeration interface** | **D. None of the above** |

**Q. Which interface provides the capability to store objects using a key-value pair ?**

|  |  |
| --- | --- |
| **A. java.util.Map** | **B. java.util.Set** |
| **C. java.util.List** | **D. java.util.Collection** |

**Q. Which of the following method is used to return a Set that contains the entries in a map ?**

|  |  |
| --- | --- |
| **A. keyset()** | **B. getSet()** |
| **C. entrySet()** | **D. getAll()** |

**Q. Which of the following statement is not correct about HashMap class ?**

|  |
| --- |
| **HashMap class extends AbstractMap and implements Map interface.** |
| **HashMap class is not synchronized.** |
| **HashMap uses a hashtable to store the map.** |
| **HashMap maintain order of its element.** |

**Q. Which of the following class provide the facility to specify default value that is used when no value is associated with a certain key ?**

|  |  |
| --- | --- |
| **java.util.HashMap** | **java.util.Hashtable** |
| **java.util.Properties** | **java.util.LinkedHashMap** |