Arrignment NO-010-Write a Java program to remove a specified element from a linked list.

i) The Java. util. Linked List. semone () method is used to remove an element from a linked list. The element is removed from the beginning of head at the linked list

Syntan: - Lintedlist. semone ()

Return Value: This mothod networks the head of the list on the element present at the head of the list.

ii) The Java. util LinkedList remove (intinden) method is used to remove an element trom a linked list trom a specific position or index

Syntax: LinkedList remone (int inden)

Return value: This method seturns the element that has just been removed from the list

Parameters: The parameter inden is at integer data type and specifies the parition of the element to be removed from the Linkedlist.

```
Program (Source Code):
 Package arrignment. pkg01;
impart Java. util. *;
public class Assignment OIL
     public static void main (String [] angs) h
         List<String> words = new Array List < String>();
         wards. add ("Saturday");
         words. add ("Sunday");
         wands add ( Monday n):
         words . add ("Tuesday");
         words. add ("Wednesday");
         System. out. printly 1" The original linked list: "
                  + words);
         words. remove ("Monday");
        System. out. println (" After removed the specific
                string the linked list: " + words );
        words. remove (2);
        System. out. printly ("After removed the specific
                inden the linked list: " +words";
```

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Sample Output:

The original linked list: [Saturday, Sunday, Monday, Tuesday, Wednesday]

After removed the specific String the list: [Saturday, Sunday, Tuesday, Wednesday]

After removed the specific inden the linked list:

[Saturday, Sunday, Wednesday]

Arrignment No-02: Noite o Javo program to zoin two linked list.

Program (Source Code):

Package. arrignment 02:
impart zava. util. \$;
public clan Arrignment 02!

public static void main (String[] orgs) h

List < String> L1 = new ArrayList > String>();

L1. add ("Saturday");

L1. add ("Monday");

L1. add ("Monday");

L1. add ("Twerday");

System. ord. println ("First linked list: "+l1);

System. ord. println ("First linked list: "+l1);

List < String> L2 = new ArrayList < String>();

12. add ("Wednerday");
12. add ("Thursday");
12. add ("Friday");
12. add ("Friday");
System.out. println ("Second linked list: "+12);

List String > zoin list = new Arreylist < string > ();

Joinlist. add All (ls);

Joinlist. add All (l2);

System. out. println ("After Joined two linked list!"

+ Joinlist);

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Sample Output: 
First linked list: [Saturday, Sunday, Monday, Tuesday]

Second linked list: [Wednesday, Thursday, Friday]

Second linked list: [Saturday, Sunday, Monday,

After zoined two linked list: [Saturday, Sunday, Monday,

Tuesday, Wednesday, Thursday, Friday]

Amignment No-03: Write a Java program to print all the elements at a Arraylist using the parition of the elements.

```
Programe (Source Code):
 package arrignment03;
 import zava. util. *;
 public class Assignmento3h
     public static void main (String[] arys)h
         List<String > words = new ArrayList=String > 0;
         words .add (" Serturday);
         wards.add ("Sunday");
         words . add ("Monday");
         words add (" Tuerday");
          words. add "Wednesday");
          evards add (" Thursday n);
          words. adel (" friday n)
          System. out. println("Original curray list: "+ words);
         System.out. printly ("Print all the elements of
                 an Arnaylist using the parition of the
                 elements: n);
         int GleNo zwords. rize();
         int inden;
        for (inden 20; inden < EleNo; inden ++)
              System. out. println (words. get (inden));
```

Simple Output:

Original array list: [Saturday, Sunday, Monday, Tuesday, Weelnesday, Thursday, Friday]
Print all the elements of an ArrayList using the parition of the elements:

Saturday Sunday Monday Tuesday Wednerday Thursday Friday.

```
Insignment No-04: Create a custom expe exception
   clairs and provides a solution to use that exception.
 Knognam (Source Code):-
   package arrignmentou;
  impart java.util. to;
  class MyException extends Exception
  public clair Arrignment 04h
      public static void main (String [] angs) &
              throw new MyEnception ();
         -certel (MyEnception e)
            System.out. printly (" This is a custom exception.");
            System.out. println ("Mensage: "+0.getMensage());
Sample Output :-
This is a custom exception.
 Menage: null.
```