

Forum:[Hack Forums](#)

Thread: [Java Linked List isn't displaying strings correctly](#)

gianni - February 3, 2018, 12:39 pm

Main Class:

Spoiler ([Click to View](#))

```
Code
import java.awt.*;
import java.awt.event.*;
import java.text.ParseException;
import java.text.SimpleDateFormat;
import java.util.Date;
import javax.swing.*;
import java.util.LinkedList;
import java.util.List;
import java.util.Iterator;
public class HeroList extends JFrame
{

    JButton addHero = new JButton("Add Hero");
    JButton removeHero = new JButton("Remove Hero");
    JButton displayList = new JButton("Display Heroes");
    List<myHero> myList = new LinkedList<>();

    public static void main(String [] args)
    {
        HeroList gui = new HeroList();
        gui.setSize(400,150);
        gui.setDefaultCloseOperation(EXIT_ON_CLOSE);
        gui.setTitle("Heroes");
        gui.createGUI();
        gui.setVisible(true);
    }

    public void createGUI()
    {
        Container window = getContentPane();
        window.setLayout(new FlowLayout());
        addHero.addActionListener(new AddHeroAction());
        window.add(addHero);
        removeHero.addActionListener(new RemoveHeroAction());
        window.add(removeHero);
        displayList.addActionListener(new DisplayListAction());
        window.add(displayList);
    }

    private class AddHeroAction implements ActionListener
    {
        public void actionPerformed(ActionEvent event)
        {
```

```

String name1 = JOptionPane.showInputDialog("Enter your heroes name:");

String date1 = JOptionPane.showInputDialog("Enter your heroes birthday (dd-mm-yyyy):");

SimpleDateFormat dateFormat = new SimpleDateFormat("dd-MM-yyyy");
Date date2 = null;
try
{
    date2 = dateFormat.parse(date1);
}
catch (ParseException e)
{
    e.printStackTrace();
}
myHero hero = new myHero(name1, date1);
myList.add(hero);
}
}
private class RemoveHeroAction implements ActionListener
{
    public void actionPerformed(ActionEvent event)
    {
        String remove = JOptionPane.showInputDialog("Enter the name of the hero you wish to
delete:");
        for(Iterator<myHero> iter = myList.iterator(); iter.hasNext();)
        {
            myHero data = iter.next();
            if (data.getName() == null ? remove == null : data.getName().equals(remove))
            {
                iter.remove();
            }
        }
    }
}
private class DisplayListAction implements ActionListener
{
    public void actionPerformed(ActionEvent event)
    {
        Iterator myIterator = myList.iterator();
        String result = "";
        while(myIterator.hasNext())
        {
            result += "\n " + myIterator.next();
        }
        JOptionPane.showMessageDialog(null, "List: " + result);
    }
}
}
myHero Class:
Spoiler \(Click to View\)
Code public class myHero
{

```

```

public String name;
public String date;

public myHero(String name, String date)
{
    this.name = name;
    this.date = date;
}

public String getName()
{
    return name;
}
public String getDate()
{
    return date;
}
public void setName(String name)
{
    this.name = name;
}
public void setDate(String date)
{
    this.date = date;
}

public String toString(String name, String date)
{
    return (name + "" + date);
}
}

```

When I add a hero to the list it adds correctly but when I display the list it doesn't print as the 2 strings but as some random characters with the class name.

Picture of what is happening:
i.imgur.com/PpFDf73.png

GenericSkid - February 3, 2018, 12:53 pm

You do not override the toString() method. I think you attempted but misunderstood how.

PHP Code

```
<?php
```

```
// current code
```

// toString is not supposed to have parameters. You're supposed to just use field references.

```

public String toString(String name, String date)
{
    return (name + "" + date);
}

```

PHP Code

```
<?php
```

```
// correct code
```

```

@Override
public String toString()

```

```
{  
    return name + " " + date;  
}
```

gianni - February 3, 2018, 12:55 pm

(Feb 3, 2018 01:53 PM)GenericSkid Wrote: [\[CITE\]](#) You do not override the toString() method. I think you attempted but misunderstood how.

PHP Code

```
<?php  
// current code  
// toString is not supposed to have parameters. You're supposed to just use field references.  
public String toString(String name, String date)  
{  
    return (name + "" + date);  
}
```

PHP Code

```
<?php  
// correct code  
@Override  
public String toString()  
{  
    return name + " " + date;  
}
```

Thank you for fixing my silly mistake. ?