

CS680: HW1

Explanation:

```
ArrayList al = new ArrayList();  
al.add( new OutStateStudent(2000) );  
System.out.println( al.get(0).getTuition() );
```

So given above code not able to reach or find `getTuition()` method due to not specifying generics. That's why it shows this error.

If we didn't specify any type in `ArrayList` and still we want to add any element in that then by default add method belongs to a raw type of `ArrayList`. Inside our above code `al` named `ArrayList` instance wants to add student type element in `ArrayList` and then try to call its `getTuition()` method. But it is not able to find or access that. So for that if we have to specify `<Student>` generics type inside the `ArrayList` then it can add `Student` type element and then able to call its `getTuition()` method.

In this code:

```
ArrayList<Student> al = new ArrayList<Student>();  
al.add( new OutStateStudent(2000) );  
System.out.println( al.get(0).getTuition() ); → Output: 2000
```

Generic type `<Student>` is mentioned in the `ArrayList`. So it can easily add `Student` type element and able to call its `getTuition()` method.

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