



Generics at the docks



Professor Elricho Pupon is concluding a lecture with arrogance



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**Generics are not just for
Lists, Sets, and Maps**



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**Generics are not just for
Lists, Sets, and Maps**

**They can be used for a range
of user defined types**

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**Generics are not just for
Lists, Sets, and Maps**

**They can be used for a range
of user defined types**

**They provide type safety and eliminate
the need for explicit type casting**



He acts as if he invented generics



A digital illustration of a lecture hall with tiered seating. In the foreground, four anime-style characters are seated. From left to right: a man in a red shirt with a surprised expression, a man in a blue jacket with glasses leaning forward, a man with long brown hair in a green jacket, and a bald man in a green jacket with a serious expression. Two speech bubbles are present. The first bubble, at the top left, contains the text 'He acts as if he invented generics'. The second bubble, in the center, contains the text 'he makes them sound so complicated and confusing'. The background shows other students in the lecture hall, some looking towards the front, under soft lighting from windows at the top.


He acts as if he invented generics

he makes them sound so
complicated and confusing



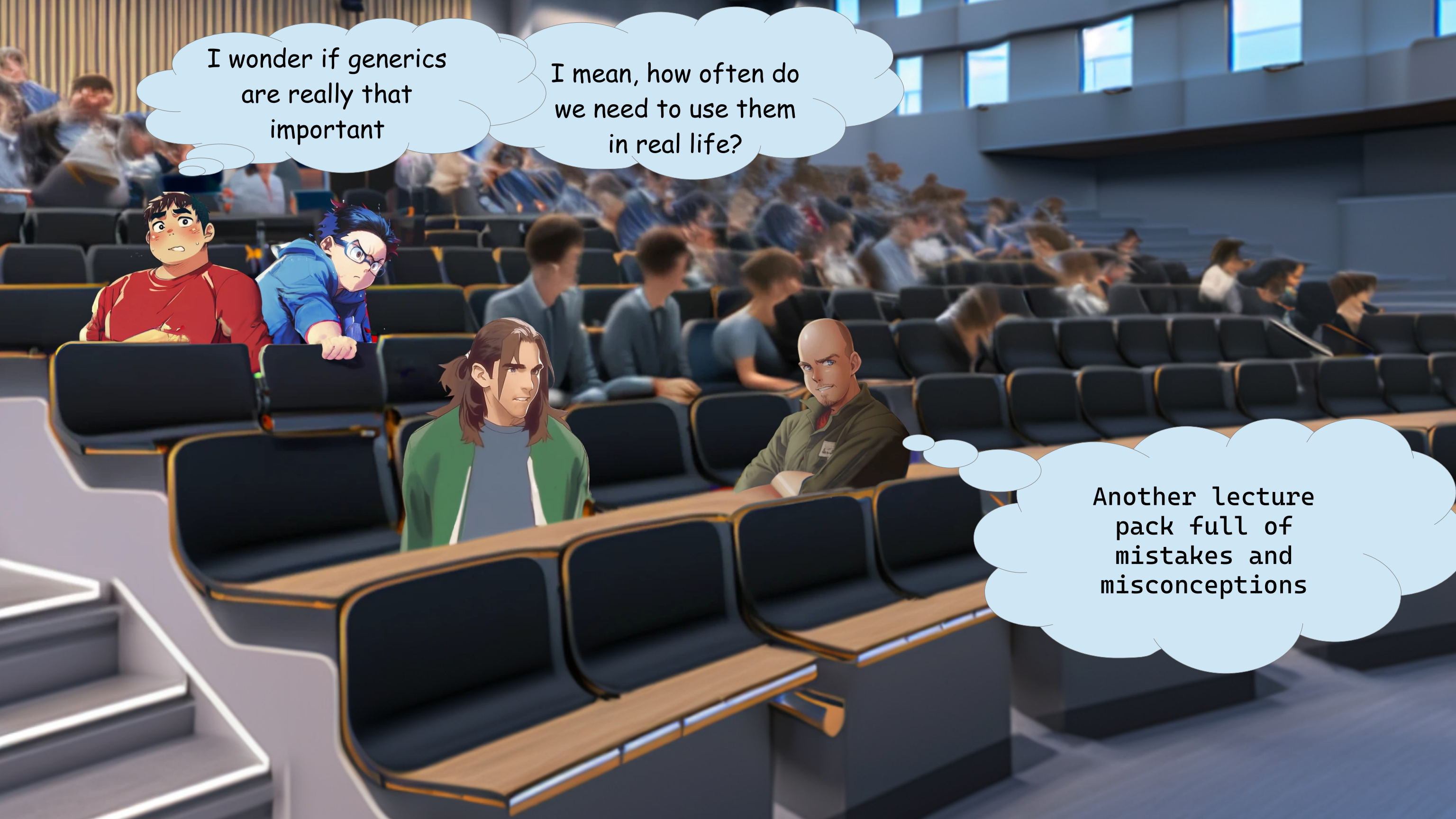
I wonder if generics
are really that
important





I wonder if generics
are really that
important

I mean, how often do
we need to use them
in real life?

A lecture hall with tiered seating. In the foreground, four anime-style characters are seated. From left to right: a man in a red shirt looking nervous, a man in a blue jacket with glasses leaning forward, a man with long brown hair in a green jacket looking forward, and a bald man in a green jacket with arms crossed looking slightly to the side. In the background, many real students are seated in the tiered rows. Two thought bubbles are above the first two characters, and one is to the right of the last two characters.

I wonder if generics
are really that
important

I mean, how often do
we need to use them
in real life?

Another lecture
pack full of
mistakes and
misconceptions



**Generic classes
and methods ...**



**Generic classes
and methods ...**

**allow for
code reuse and
maintainability**



**Generic classes
and methods ...**

```
myList.stream()  
  .map(()->...)//type inference here  
  .toList();
```

**allow for
code reuse and
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**Generic classes
and methods ...**

**allow for
code reuse and
maintainability**

```
myList.stream()  
    .map(()->...)//type inference here  
    .toList();
```


**Improvements of Type inference in Java 9
and later versions make it even more
convenient to use generics.**



The lecture on Java generics came to an end




The lecture on Java generics came to an end



**However, it's crucial
to use wildcards ...**

The lecture on Java generics came to an end



**However, it's crucial
to use wildcards ...**

**and generic bounds correctly
to ensure type safety**



The students are leaving for lunch



The students are leaving for lunch

*Ok, we shall start studying
generics pronto*



The students are leaving for lunch

*Ok, we shall start studying
generics pronto*

Maybe we can just study
in our own dorm rooms?



The students are leaving for lunch

*Ok, we shall start studying
generics pronto*

Maybe we can just study
in our own dorm rooms?

Nah, it is such a good day!
Let's go to the park together





Or we could go to the docks, ...



Or we could go to the docks, ...

where it's peaceful and less crowded





And they do a great fish and chips!






Ah, food!
Nothing beats food.



Ah, food!
Nothing beats food.

Let's keep our eyes open, ...



An anime-style illustration of three young men sitting outdoors in an industrial or port area. The man on the left, with brown hair and a red shirt, is eating a large, golden-brown fried food item. The man in the middle, with dark hair and glasses, is eating french fries from a white paper bag. The man on the right, with dark hair and a green jacket, is eating a large, golden-brown fried food item. They are all looking towards the right. In the background, there are industrial structures, including a large crane and a building with a sign that says "TOWER". The sky is blue with white clouds.

Ah, food!
Nothing beats food.

*Let's keep our eyes open, ...
we may find some
good inspiration
to understand
generics better!*