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# Maximum

1. max() : Throwing **NullPointerException**
   1. if any element in the stream is null.
   2. Arrays.asList(**null**, new Person(20)).stream().max(Comparator.comparingInt(Person::getAge));
2. max(): Returning **Optional.Empty()** if the stream has no element means empty.
   1. List<Person> list = Arrays.asList(); 🡺 **//See the list is empty**.  
      list.stream().**max**(Comparator.comparingInt(Person::getAge));
   2. list.stream().**max**(Comparator.comparingInt(Person::getAge)).**orElseThrow(**new RuntimeException());  
      See in the above case, **orElseThrow**() will be executed.  
      If you use get() instead of orElseThrow() then **NoSuchElementException**.  
      **NoSuchElementException** is thrown when calling Optional.empty().**get()**;