



Software Development

Lambdas and streams

EXTRA

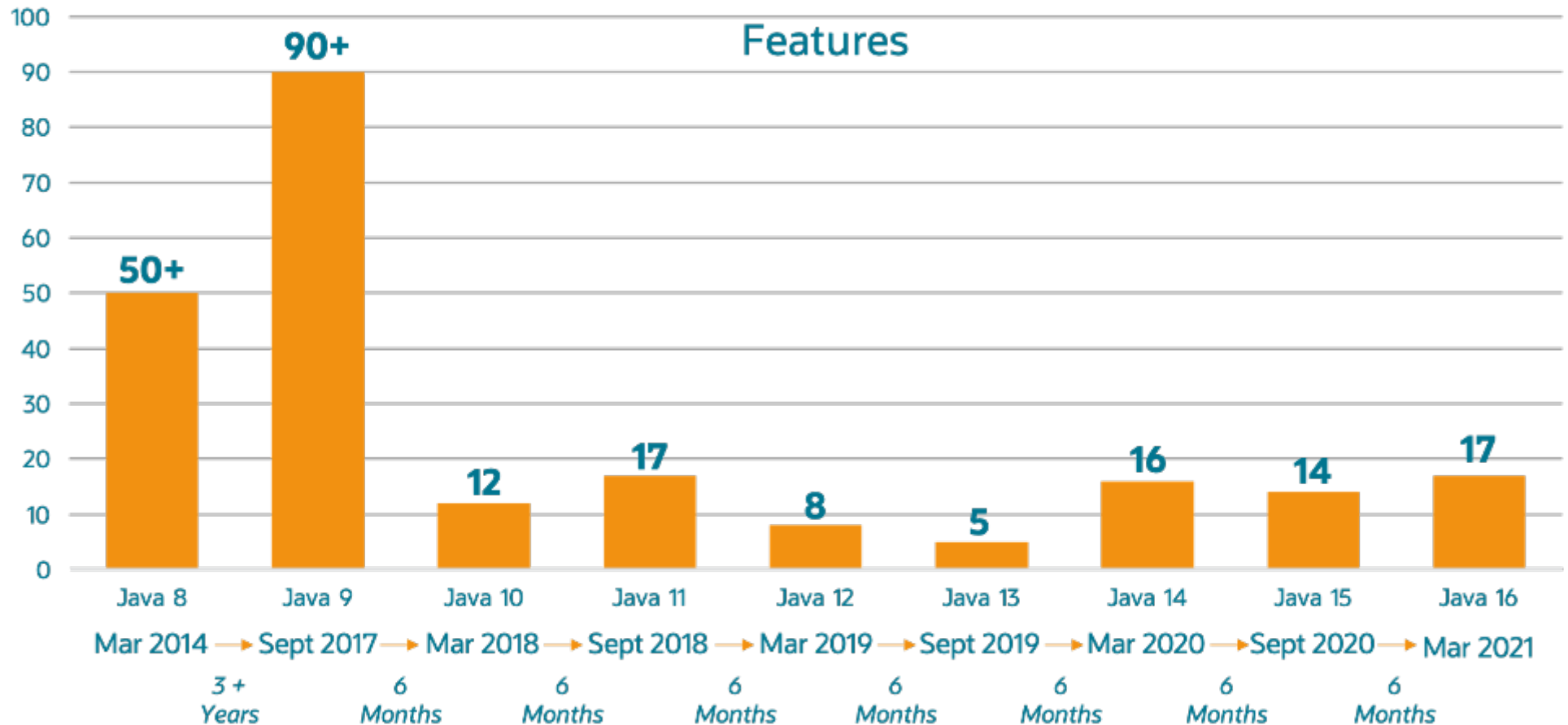
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The arrival of Java 16



<https://blogs.oracle.com/java-platform-group/the-arrival-of-java-16>



Extra exercise on lamdas and streams

- Give the statistics (sum, average, count, ...) of the weight of the badminton rackets of the players with the character 'e' in their name of the teams from Belgium.



Solution of the exercise

```
DoubleSummaryStatistics stats =  
    teams.stream()  
        .filter(t -> t.isFrom("Belgium"))  
        .flatMap(t -> t.getPlayersAsStream())  
        .filter(p -> p.getName().contains("e"))  
        // .map(Player::getName)  
        // .forEach(System.out::println);  
        .flatMap(p -> p.getRackets().stream())  
        .mapToDouble(Racket::getWeight)  
        .summaryStatistics();  
System.out.println(stats);
```