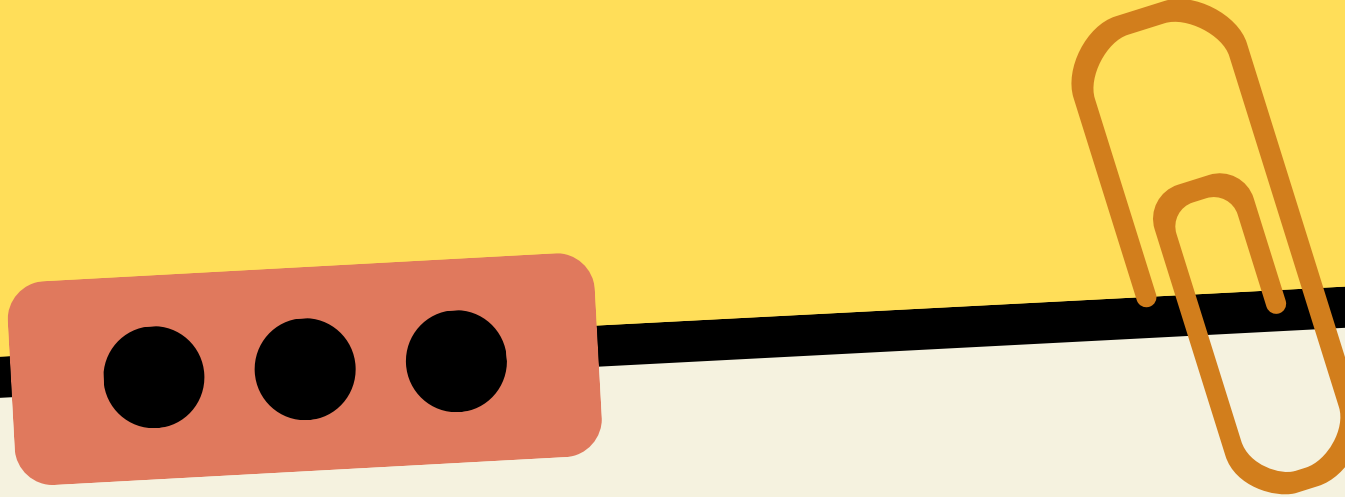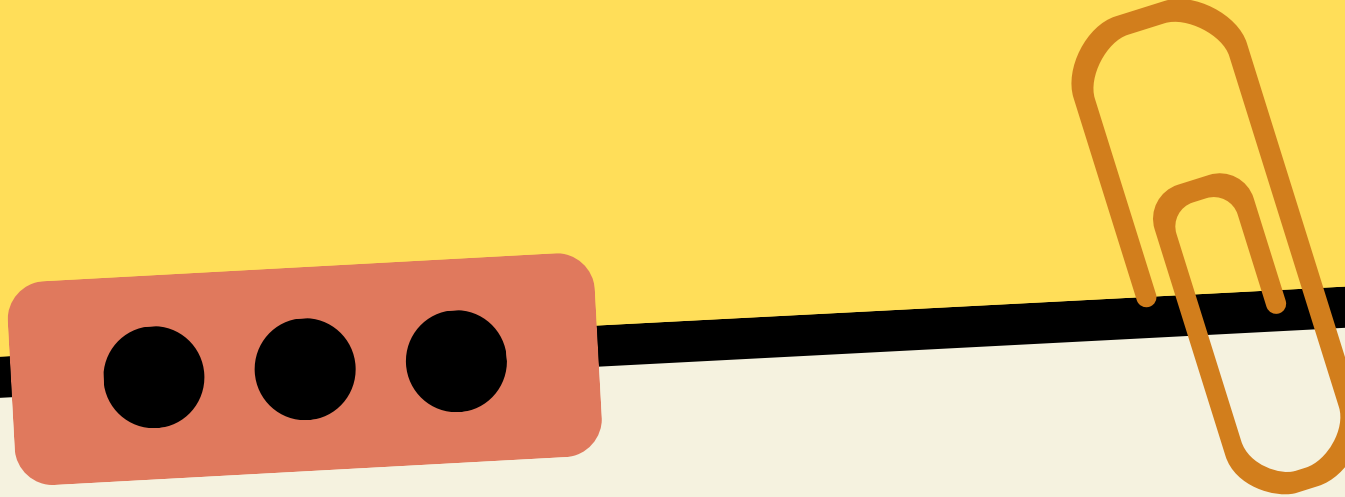# 29 Most Asked Java Interview Questions
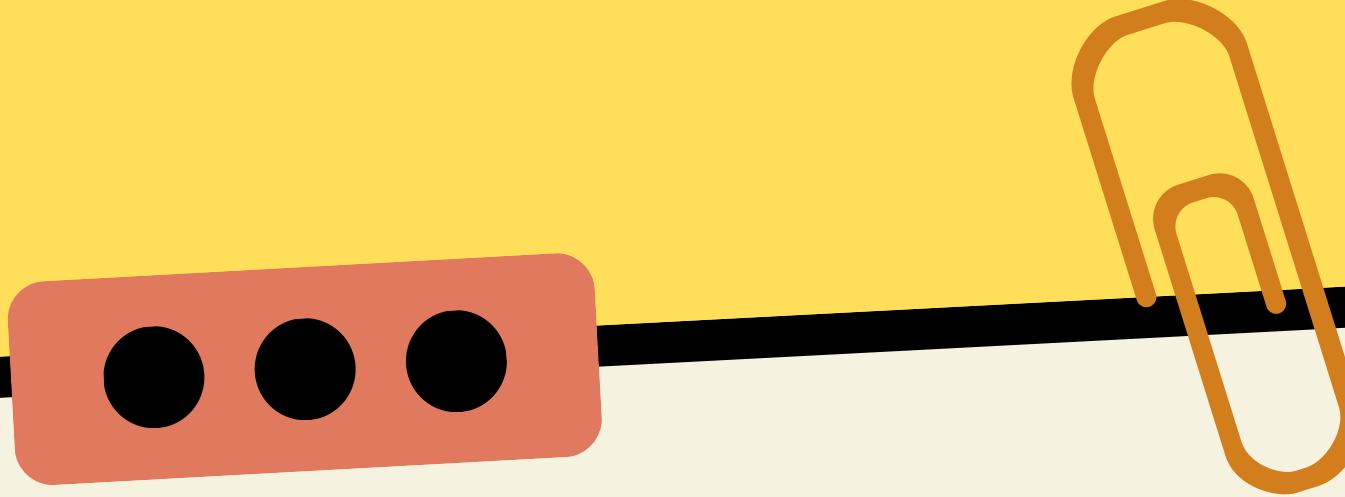
- By Ashay Nayak

1.) Is Java a pure Object Oriented Programming Language?

2.) What is the difference between .equals() method and == operator?

3.) Explain the meaning of each word in public static void main?

4.) Will the program run if I write static public void main instead of public static void main?

5.) Why is the main method static in java?

- By Ashay Nayak

6.) What happens when main method isn't declared as static?

7.) What if the main method is declared as private?

8.) What if I write String a[] instead of String args[] in an argument in the main method?

9.) Can we Overload or Override static methods in java? What happens if we try to override the static method?

10.) What is the difference between StringBuffer and StringBuilder?

- By Ashay Nayak

11.) What should be preferred when there are a lot of updates required to be done in the data? String or StringBuffer.

12.) Why are Strings immutable in Java?
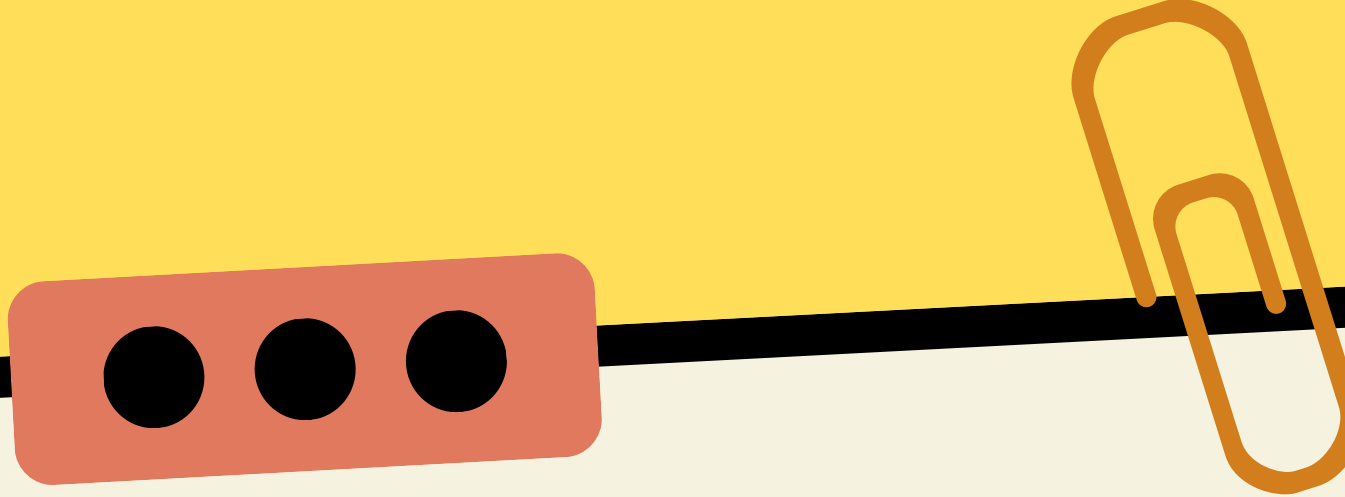
13.) Are String thread-safe in java?

14.) How many objects will be created for the following code?

```
String str1 = "Ashay";
String str2 = new String("Ashay");
```

15.) How many objects will be created for the following code?

```
String str1 = "Ashay";
String str2 = new String("Ashay");
```
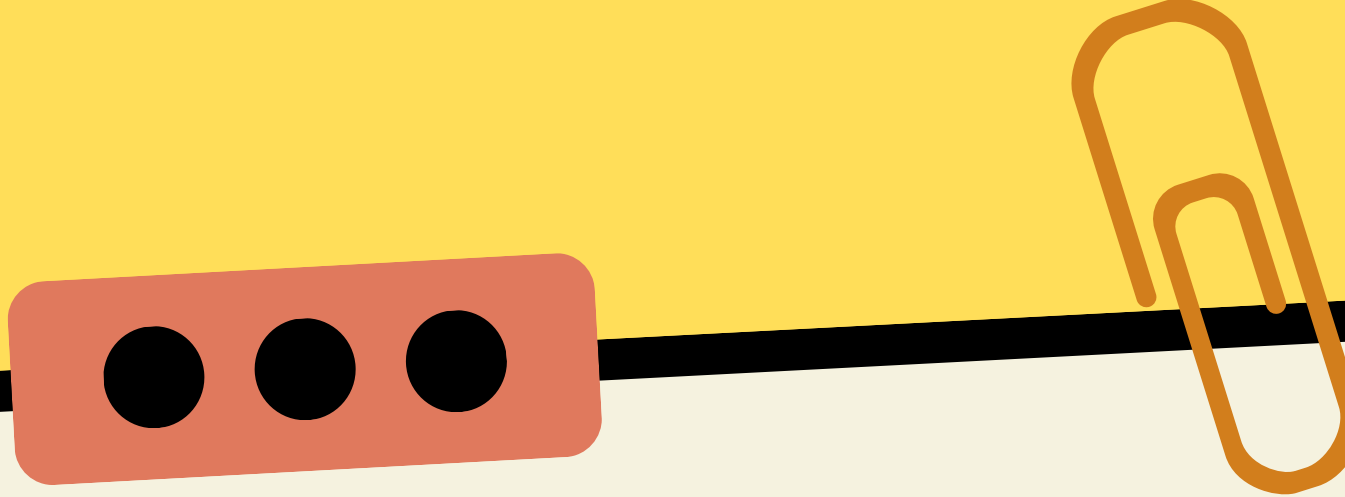
- By Ashay Nayak

16.) What is garbage collection in Java?

17.) Can we run the garbage collector? If yes, then how?

18.) What is finalize() in Java?

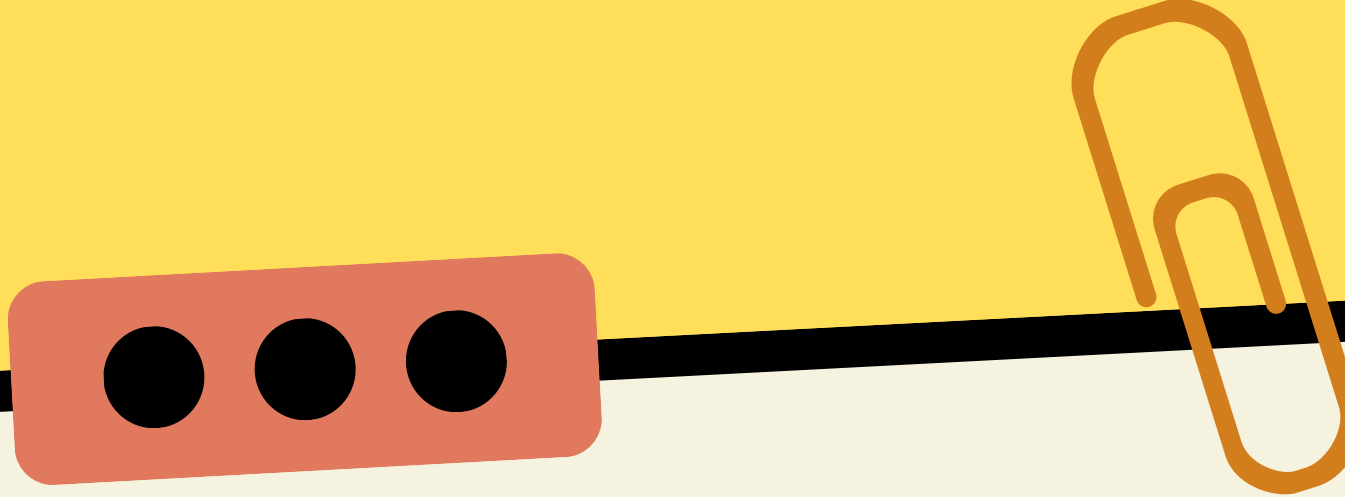19.) How many objects are eligible for garbage collection?

```
Employee emp1 = new Employee(); // line 1
Employee emp2 = new Employee(); // line 2

emp1 = emp2; // line 3

emp2 = null; // line 4
```

20.) What is the algorithm of garbage collection in Java? or
How is garbage collection done in java?

- By Ashay Nayak

21.) What is the difference between ArrayList and Vector?

22.) What is the difference between Hash Table, HashMap, LinkedHashMap and TreeMap?

23.) Difference between Abstract Classes and Interfaces?

24.) Difference between method overloading and method overriding?

25.) Differentiate between instance and local variables?

- By Ashay Nayak

26.) What is the difference between 'throw' and 'throws' in Java Exception Handling?

27.) What makes a HashSet different from a TreeSet?

28.) Difference between wait and sleep in Java?

29.) Difference between notify and notifyAll in Java?

30.) To Be Continued...............................

- By Ashay Nayak