JAVA INTERVIEW QUESTIONS

Can you Override a Private or Static Method in Java

#2

Code For Interview

Method Overloading

In the same class, if we have Multiple methods having same name but different parameters.

Method Overriding

If we have Multiple methods having same name and same parameters but different classes connected through Inheritance.

Can we Override a Private Method in Java?

No!
Private methods in Java are not visible to any other class which limits their scope to the class in which they are declared.

Can we Override a Static Method in Java?

The Answer is No, if you think from the perspective of how an Overriden method should behave. But, you don't get any compiler errors because Java doesn't stop you overriding an Static Method. But you certainly don't get the same effect as you get from Non-Static Methods

Why do Static Methods behave Strangely in Java?

They are class methods and hence access to them is only resolved during Compile Time only. Accessing them using objects references is just an extra Liberty given by Java.

QUESTION FOR YOU ALL

Why Method Overloading is not Possible in this case?

```
class Parent {
        public static int add(int a, int b){
                return a + b;
        }
        public static double add(int a, int b){
                return a + b;
        }
}
public class Child {
        public static void main(String[] args){
                Parent.add(10, 20);
        }
}
```