EP. 1

JAVA INTERVIEW

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Can we Overload or Override static methods in java?

We can overload static methods but we can't override static methods.

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But, overriding static methods doesn't work because method overriding is based on dynamic binding at runtime and the static methods are bonded using static binding at compile time. However, program gets excuted successfully. It's just overriding static method doesn't override the method.

hmmm...

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EXAMPLE

Overload ✓

```java
class Task
{
    public static void getInfo()
    {
        System.out.println("Info of all students");
    }

    public static void getInfo(String name)
    {
        System.out.println("Info of student whose name is "+name);
    }

    public static void main (String[] args)
    {
        Task.getInfo();
        Task.getInfo("Ashay");
    }
}

Output:
Info of all students
Info of student whose name is Ashay
```

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EXAMPLE

Override ✗

```java
class Parent {
    static void print()
    {
        System.out.println("Parent");
    }
}
class Child extends Parent
{
    static void print()
    {
        System.out.println("Child");
    }
}

class Task
{
    public static void main (String[] args)
    {
         Parent obj = new Child();
        obj.print();
    }
}

Output:
Parent
// without static output will be "Child" as print() method gets overridden
```

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TO BE CONTINUED...

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