

Java basic problems

Abstraction & Interface :

1.

```
abstract class Car{
    abstract void door();
    abstract void glass();
}

class Benz extends Car
{
    void door()
    {
        System.out.println("Benz door");
    }
    void glass()
    {
        System.out.println("Benz glass");
    }
}

class Demo1
{
    public static void main(String aa[])
    {
        Car ob1=new Benz();
        ob1.door();
        ob1.glass();
    }
}
```

2.

```
abstract class Car
{
    abstract void door();
    abstract void glass();
    void wheel()
    {
        System.out.println(" Wheel");
    }
}

class Benz extends Car
{
    void door()
    {
        System.out.println(" Benz door");
    }
    void glass()
    {
        System.out.println(" Benz glass");
    }
}
```

```

    }
}

class Lancer extends Car
{
    void door()
    {
        System.out.println("  Lancer door");
    }
    void glass()
    {
        System.out.println("  Lancer glass");
    }
}
class Demo2
{
    public static void main(String aa[])
    {
        Car ob1=new Benz();
        ob1.door();
        ob1.glass();
        ob1.wheel();

        System.out.println("*****");

        Car ob2=new Lancer();
        ob2.door();
        ob2.glass();
        ob2.wheel();
    }
}

```

3.

```

interface Mail
{
    void register();
    void valid();
}

class Yahoo implements Mail
{
    public void register()
    {
        System.out.println("  Yahoo registration");
    }
    public void valid()
    {
        System.out.println("  Yahoo validation");
    }
}
class Demo4
{
    public static void main(String aa[])

```

```

        {
            Mail ob1=new Yahoo();
            ob1.register();
            ob1.valid();
        }
    }
}

```

```

interface Mail1

```

```

{
    void register();
}

```

```

class Sample

```

```

{
    void test()
    {
        new Mail1()
        {
            public void register()
            {
                System.out.println(" Anonymous registration
");
            }
        }.register();
    }
}

```

```

interface Mail2

```

```

{
    void register();
}

```

```

class Yahoo implements Mail1,Mail2

```

```

{
    public void register()
    {
        System.out.println(" Yahoo registration ");
    }
}

```

```

class Demo5

```

```

{
    public static void main(String aa[])
    {
        Mail1 ob1=new Yahoo();
        Mail2 ob2=new Yahoo();

        ob1.register();
        ob2.register();

        new Sample().test();
    }
}

```