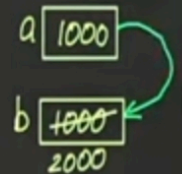
Value type assignment VS reference type assignment

pass by value pass by reference.

```
class Demo
{
    public static void main(String[] args)
    {
        int a = 1000;
        System.out.println(a);

        int b;
        b = a;
        System.out.println(b);
        b = 2000;
        System.out.println(b);
        System.out.println(a);

    }
}
```



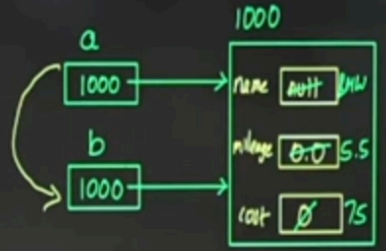
```
public static void main(String[] args)
{
    Car a = new Car();
    a.name = "BMW";
    a.mileage = 5.5f;
    a.cost = 75;

    System.out.println(a.name);
    System.out.println(a.mileage);
    System.out.println(a.cost);

    Car b;
    b = a;

}
}
```

```
C:\JSD>
```



```
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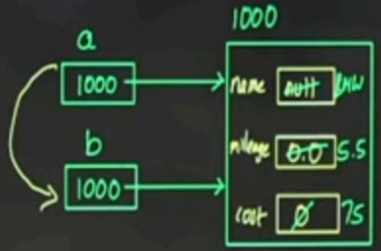
{
    Car a = new Car();
    a.name = "BMW";
    a.mileage = 5.5f;
    a.cost = 75;

    System.out.println(a.name);
    System.out.println(a.mileage);
    System.out.println(a.cost);

    Car b;
    b = a;
    System.out.println(b.name);
    System.out.println(b.mileage);


  }
}
```

```
C:\JSD>
```



```
        System.out.println(a.cost);

        Car b;
        b = a;
        System.out.println(b.name);
        System.out.println(b.mileage);
        System.out.println(b.cost);

        b.name = "TATA";
        b.mileage = 15.8f;
        b.cost = 13;
        System.out.println(b.name);
        System.out.println(b.mileage);
        System.out.println(b.cost);

        System.out.println(a.name);
        System.out.println(a.mileage);
        System.out.println(a.cost);

    }
}
```

```
C:\JSD>javac Demo.java

C:\JSD>java Demo
BMW
5.5
75
BMW
5.5
75
TATA
15.8
13
TATA
15.8
13

C:\JSD>
```

TAP ACADEMY

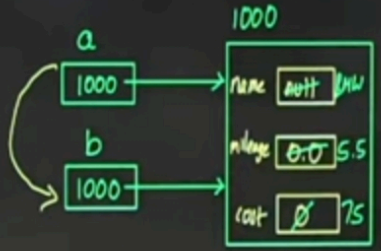
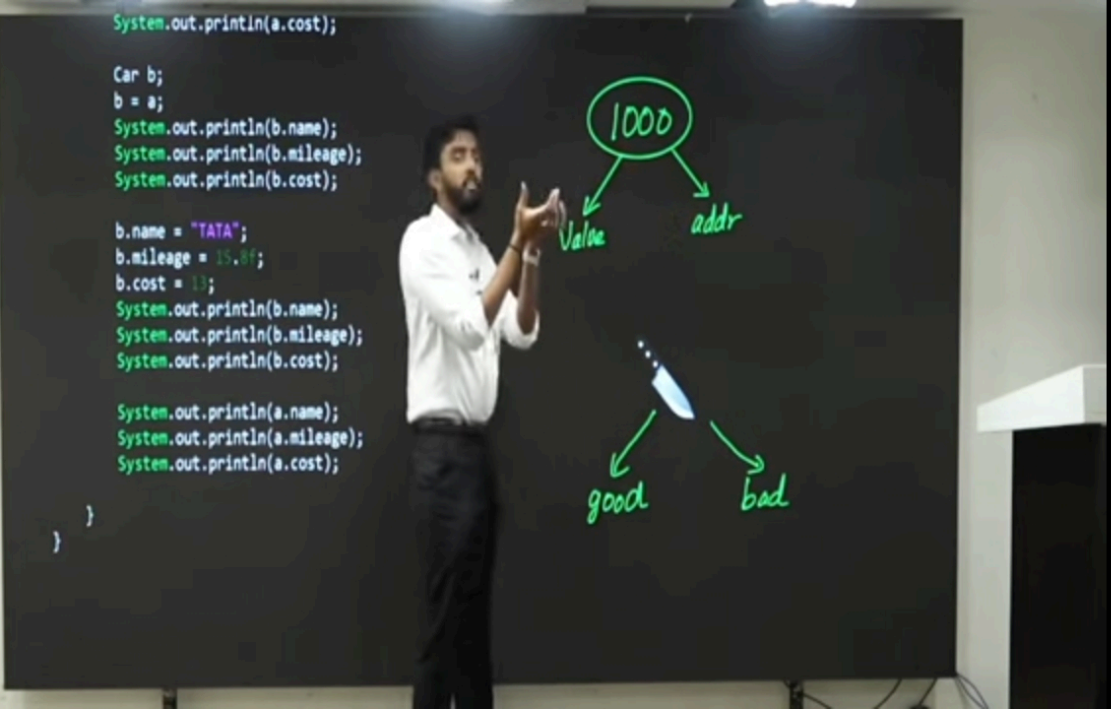
```
        System.out.println(a.cost);

        Car b;
        b = a;
        System.out.println(b.name);
        System.out.println(b.mileage);
        System.out.println(b.cost);

        b.name = "TATA";
        b.mileage = 15.8f;
        b.cost = 13;
        System.out.println(b.name);
        System.out.println(b.mileage);
        System.out.println(b.cost);

        System.out.println(a.name);
        System.out.println(a.mileage);
        System.out.println(a.cost);

    }
}
```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        System.out.println(a.cost);

        Car b;
        b = a;
        System.out.println(b.name);
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    }
}
```