

## Using static variable

1. If you want to share memory among all objects
2. If you want to allocate memory and initialize the value, before creation of 1<sup>st</sup> object
  - A variable can be static, a block can be static,
  - but a class can be static only if it is a nested class, Outermost class can never be static
  - Usually, when you want to call a function without creating object of the class, then make the function as static, it can be called as classname.functionname
  - A Static function can use only static variables or functions of the class, If you want to use non static functions, then you need to create object of the class and then call any function object.functionname

Create a class Account to store acid, name, type, balance, interest\_rate, minimum\_balance

```
Class Account{
    Static{
        Interest_rate=0.04;
        Minimum_balance=20000;
    }
    Private int acid;
    Private String name;
    Private double balance;
    Private String type;
    public static double min_balance;
    public static double interest_rate;

}
```

2. create a class student, to store information about DAC students

Store studid, name, address, degree, m1, m2, m3, minimum\_passing marks

```
Class Student{  
    Static int min_passing_marks;  
    Static String degree;  
    Static{  
        Min_passing_marks=40;  
        Degree="DAC";  
    }  
    Private int sid;  
    Private String name;  
    Private String address;  
    Private int m1,m2,m3  
}
```