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Assigning values to static final variables in Java

Assigning values to static final variables in Java:
In Java, non-static final variables can be assigned a value either in constructor or with the declaration. But, static final variables cannot be assigned value in constructor; they must be assigned a value with their declaration.

For example, following program works fine.

```
class Test {
  final int i;  // i could be assigned a value here also
  Tets() {
    i = 10;
  }

  //other stuff in the class
}
```

If we make *i* as *static final* then we must assign value to i with the delcaration.

```
class Test {
  static final int i = 10;  // Since i is static final, it must be ass

  //other stuff in the class
}
```

Such behavior is obvious as static variables are shared among all the objects of a class; creating a new object would change the same static variable which is not allowed if the static variable is final.

Please write comments if you find anything incorrect, or you want to share more information about the topic discussed above.
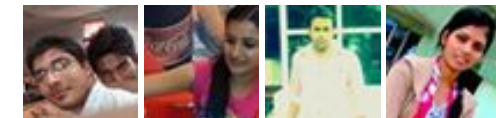
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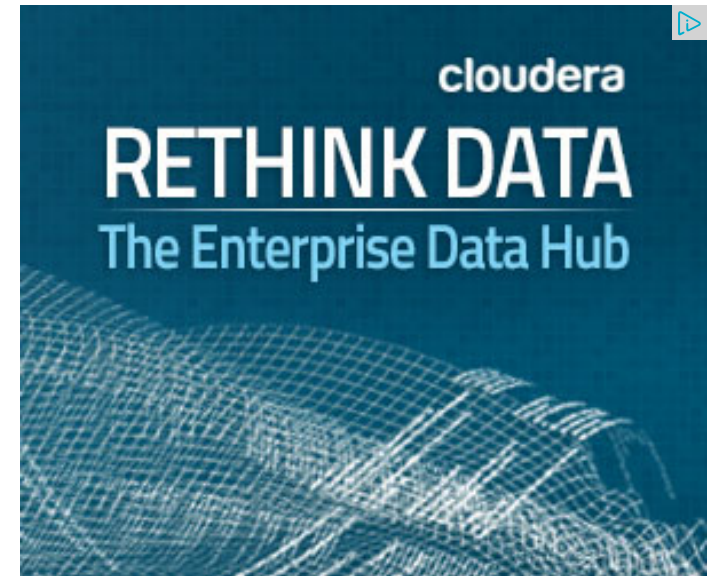Pattern Searching

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ikram · 5 months ago

class Test {

static final int i;

static{i = 10;}

void display(){System.out.println(i);}

public static void main(String []str){

Test t=new Test();

t.display();

}

}

** static variable can assign a value in static block which run before the main

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Saurabh Jejurikar · 9 months ago

Or we can also assign value to the static final variable inside a static block

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