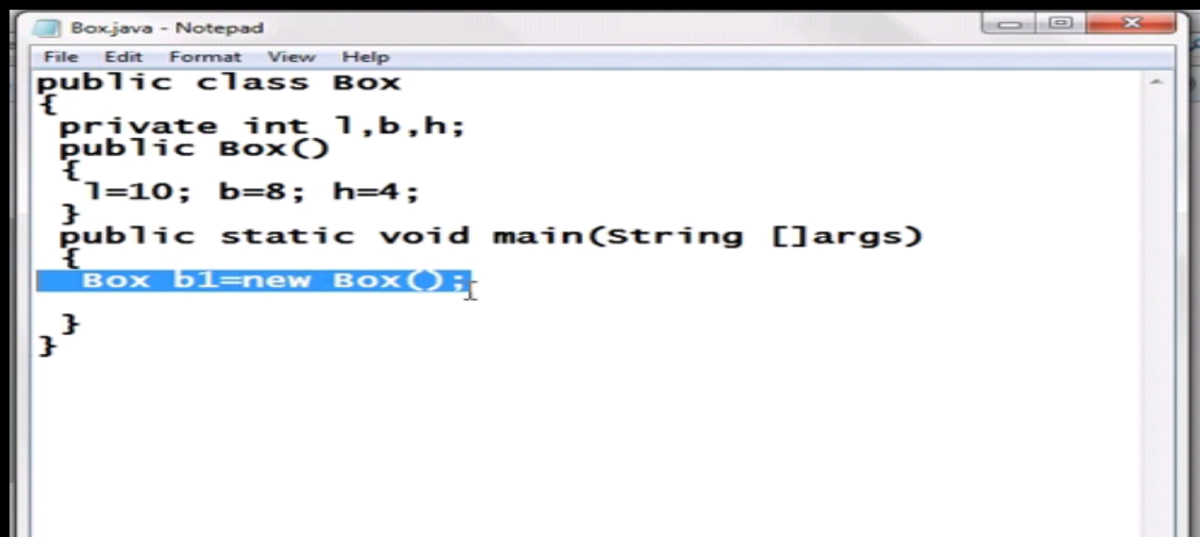# Constructors

- ❑ Constructor is a member function of a class

- ❑ The name of constructor is same as the name of the class.

- ❑ Constructor has no return type.
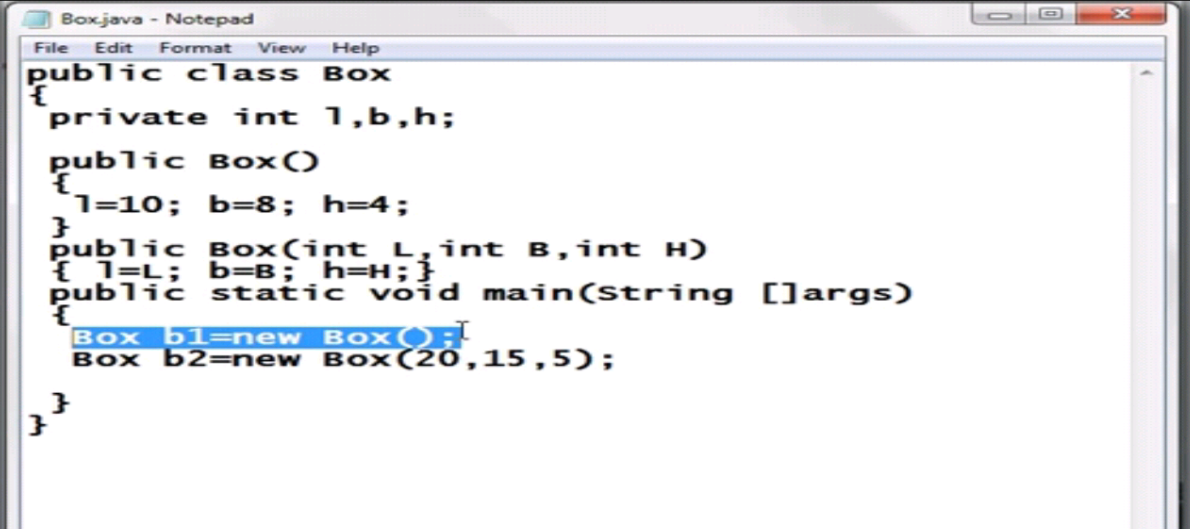
Box.java - Notepad

File Edit Format View Help

```java
public class Box
{
 private int l,b,h;
 public Box()
  {
   l=10;  b=8;  h=4;
  }
 public static void main(String []args)
  {
   Box b1=new Box();

  }
}
```

Constructor is special

❑ A **constructor** is a special method that is used to **initialize a newly created object** and is called implicitly, just after the memory is allocated for the object

❑ It is **not mandatory** for the coder to write a constructor for the class

❑ When there is no constructor defined in the class by programmer, compiler implicitly provide a default constructor for the class.

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```java
public class Box
{
 private int l,b,h;

 public Box()
 {
  l=10; b=8; h=4;
 }
 public Box(int L,int B,int H)
 { l=L; b=B; h=H;}
 public static void main(String []args)
 {
  Box b1=new Box();
  Box b2=new Box(20,15,5);

 }
}
```

Constructor Overloading

❑ Constructors can be parameterized

❑ Constructors can be overloaded