23BAI1117 - BCSE103E - Java 08/08/2024 - Day7

https://github.com/sriram-s-23BAI1117/javap

1)

```
J OOPEx1.java > ...
1   public class OOPEx1{
2     int x = 5;
        Run | Debug
3     public static void main(String[] args) {
4          OOPEx1 myObj = new OOPEx1();
5          System.out.println(myObj.x);
6      }
7  }
```

```
PS E:\Day8-08-08-24> & 'C:\Program Fil age\08ade1f6cb01874a2d7a13e5ff49b165\re 5
```

```
PS E:\Day8-08-08-24> & 'C:\Prs\student.PROGRAMMING404\App
5
5
```

```
J OOPEx3_1.java > ...
1   public class OOPEx3_1 {
2         int x = 5;
3   }
```

```
PS E:\Day8-08-08-24> & 'C:\Program F
' '-cp' 'C:\Users\student.PROGRAMMING
2b0699\bin' 'OOPEx3_2'
5
```

```
J OOPEx4.java > ...
1    public class OOPEx4 {
2         int x;
            Run | Debug
3         public static void main(String[] args) {
4             OOPEx4 myObj = new OOPEx4();
5            myObj.x = 40;
6             System.out.println(myObj.x);
7         }
8    }
```

```
PS E:\Day8-08-08-24> & 'C:\Program Files\
' '-cp' 'C:\Users\student.PROGRAMMING404\/2b0699\bin' 'OOPEx4'
40
```

```
J OOPEx5.java > ...
1   public class OOPEx5 {
2     int x = 10;
        Run | Debug
3     public static void main(String[] args) {
4          OOPEx5 myObj = new OOPEx5();
5          myObj.x = 25;
6          System.out.println(myObj.x);
7     }
8 }
```

```
PS E:\Day8-08-08-24> & 'C:\Program Fil
1874a2d7a13e5ff49b165\redhat.java\jdt_v
25
```

```
J OOPEx6.java > ...
1  public class OOPEx6 {
2     final int x = 10;
        Run | Debug
3     public static void main(String[] args) {
4           OOPEx6 myObj = new OOPEx6();
5           myObj.x = 25;
6           System.out.println(myObj.x);
7     }
8 }
```

```
PS E:\Day8-08-08-24> & 'C:\Program Files\Java\jdk1.8.0_202\bin\java.exe' '-cp' 'C:\
1874a2d7a13e5ff49b165\redhat.java\jdt_ws\Day8-08-08-24_212b0699\bin' 'OOPEx6'
Exception in thread "main" java.lang.Error: Unresolved compilation problem:
The final field OOPEx6.x cannot be assigned

at OOPEx6.main(OOPEx6.java:5)
```

```
J OOPEx7.java > ...
1   public class OOPEx7 {
2     int x = 5;
        Run|Debug
3     public static void main(String[] args) {
4          OOPEx7 myObj1 = new OOPEx7();
5          OOPEx7 myObj2 = new OOPEx7();
6          myObj2.x = 25;
7          System.out.println(myObj1.x);
8          System.out.println(myObj2.x);
9     }
10 }
```

```
PS E:\Day8-08-08-24> & 'C:\Program Fil
' '-cp' 'C:\Users\student.PROGRAMMING40
2b0699\bin' 'OOPEx7'
5
25
```

```
J OOPEx8.java > ...

1  public class OOPEx8 {
2     String fname = "John";
3     String lname = "Doe";
4     int age = 24;
        Run | Debug
5     public static void main(String[] args) {
6          OOPEx8 myObj = new OOPEx8();
7          System.out.println("Name: "+myObj.fname+" "+myObj.lname);
8          System.out.println("Age: "+myObj.age);
9     }
10 }
```

```
PS E:\Day8-08-08-24> & 'C:\Program Files\Java\
age\08ade1f6cb01874a2d7a13e5ff49b165\redhat.java
Name: John Doe
Age: 24
```

```
PS E:\Day8-08-08-24> & 'C:\Program Fil age\08ade1f6cb01874a2d7a13e5ff49b165\re Hello World!
```

PS E:\Day8-08-08-24> & 'C:\Program Files\Java\jdk1.8.0_202\
rs\student.PROGRAMMING404\AppData\Roaming\Code\User\workspac
Static methods can be called without creating objects
Public methods must be called by creating objects

```
PS E:\Day8-08-08-24> & 'C:\Program Files\Java\jdk1.8.0_2 age\08ade1f6cb01874a2d7a13e5ff49b165\redhat.java\jdt_ws\D The car is going as fast as it can! Max speed is: 200
```

```
PS E:\Day8-08-08-24> & 'C:\Program File age\08ade1f6cb01874a2d7a13e5ff49b165\red 5
```

```
PS E:\Day8-08-08-24> & 'C:\Program
' '-cp' 'C:\Users\student.PROGRAMMIN
2b0699\bin' 'OOPEx13'
5
```