```java
/*
 * To change this license header, choose License Headers in Project Properties.
 * To change this template file, choose Tools | Templates
 * and open the template in the editor.
 */
package abstract_class;
import java.util.*;
class structure
{
    int mem1;
    final int mem2=43;
    int fnc1(int a, int b)
    {
        System.out.println("Inside fnc1 of class structure: ");
        return (a+b);
    }
    final int fnc2()
    {
        return(1);
    }
   int fnc2(int aug1, int aug2)
   {
       return(aug1*aug2);
   }
}
//extends structure
class building extends structure
{
     int fnc2(int aug1, int aug2)
     {
         return aug1*aug2;
     }
     int fnc1(int a, int b)
    {
        System.out.println("Inside fnc1 of class building: ");
        return (a*b);
    }
}
class subsubstruct extends building
{
    int funmm(int a)
    {
        return a;
    }
}
/**
 *
 * @author Chayan
 */
public class Abstract_class extends Object
{
int k;
Abstract_class(int v)
{
    k=v;
}
public boolean equals(Object obj)
{
    Abstract_class pp=(Abstract_class)obj;
    if(this==obj)
        return true;
```

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    else if(this.k==pp.k)
     {
         return true;
      }
    else
        return false;
}
    /**
     * @param args the command line arguments
     */
    public static void main(String[] args) {
        // TODO code application logic here
        building build =new building();
       // System.out.println(build.fnc2(2, 3));
        structure str=new structure();
        //System.out.println(str.fnc1(23, 43));
        str.mem1=67;
        structure strr2=new structure();
        //subsubstruct sub=new subsubstruct();
       // System.out.println(str.getClass()+ "\n " + build.getClass());
        //System.out.println(str.equals(strr2));
        String ss="hjyt";
        String ssttrr="hjyt";
        String ppr=new String("hjyt");
        System.out.println(ss==ssttrr);
        System.out.println(ss.equals(ssttrr));
//        System.out.println(ss.hashCode());
//        System.out.println(ssttrr.hashCode());
        System.out.println(ppr.equals(ss));
        Abstract_class abc=new Abstract_class(23);
        Abstract_class bca=new Abstract_class(23);
//        System.out.println(abc.hashCode());
//        System.out.println(bca.hashCode());
        System.out.println(abc.equals(bca));
       // System.out.println(abc==bca);
    }
}

```