

```
import java.util.*;
import java.lang.*;
class wrongyear extends Exception
{
    String s;
    int n;
    wrongyear(String s, int n)
    {
        this.s = s;
        this.n = n;
        System.out.println("--invalid reenter correct value " + s + n);
    }
}
public String toString()
{
    return "wrongyear exception.";
}
}
class Company
{
    Scanner s = new Scanner(System.in);
    int yoj;
    Company() throws wrongyear
    {
        System.out.println("Enter year of joining: ");
        yoj = s.nextInt();
        if (yoj < 2005)
        {
            throw new wrongyear("Year of joining is invalid! ", yoj);
        }
    }
    public void display()
    {
        System.out.println("The Year of Joining is: " + yoj);
    }
}
class Employee extends Company
{
    Scanner s = new Scanner(System.in);
    int age;
    public Employee() throws wrongyear
    {
        System.out.println("Enter your age: ");
        age = s.nextInt();
        if (age < 18 || age > 60)
        {
            throw new wrongyear("Age cannot be less than 18 or more than 60 ", age);
        }
    }
}
```



```
Company() throws wrongyear
{
    System.out.println("Enter year of joining: ");
    yoj = s.nextInt();
    if (yoj < 2005)
    {
        throw new wrongyear("Year of joining is invalid! ", yoj);
    }
}
public void display()
{
    System.out.println("The Year of Joining is: " + yoj);
}
}
class Employee extends Company
{
    Scanner s = new Scanner(System.in);
    int age;
    public Employee() throws wrongyear
    {
        System.out.println("Enter your age: ");
        age = s.nextInt();
        if (age < 18 || age > 60)
        {
            throw new wrongyear("Age cannot be less than 18 or more than 60 ", age);
        }
    }
    public void display_emp()
    {
        System.out.println("the Age is: " + age);
    }
}
class empcomp
{
    public static void main(String[] args)
    {
        try
        {
            Employee e = new Employee();
            e.display();
            e.display_emp();
        }
        catch(wrongyear n)
        {
            System.out.println(n);
        }
    }
}
```



```
C:\Users\Vidhu\Desktop\java>set path=""
C:\Users\Vidhu\Desktop\java>set path="C:\Program Files\Java\jdk1.8.0_261\bin"
C:\Users\Vidhu\Desktop\java>javac Company.java
C:\Users\Vidhu\Desktop\java>java empcomp
Enter year of joining:
2006
Enter your age:
19
The Year of Joining is: 2006
the Age is: 19

C:\Users\Vidhu\Desktop\java>java empcomp
Enter year of joining:
2001
--invalid reenter correct value Year of joining is invalid! 2001
wrongyear exception.

C:\Users\Vidhu\Desktop\java>java empcomp
Enter year of joining:
2007
Enter your age:
15
--invalid reenter correct value Age cannot be less than 18 or more than 60 15
wrongyear exception.

C:\Users\Vidhu\Desktop\java>
```



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1/16/2021

