

```
class WrongAge extends Exception
{
    public String toString()
    {
        return "Please enter the right age:"+"Son's age > Father's age";
    }
}
class Father
{
    int age;
    Father(int age1)
    {
        age=age1;
        System.out.println("Father age:"+age);
    }
}
class Son extends Father
{
    Son(int age1)
    {
        super(age1);
        System.out.println("Son age:"+age);
    }
}
class AGE_main1
{
    public static void main(String args[]) throws WrongAge
    {
        int i=args.length;
        int j=Integer.parseInt(args[0]);
        int k=Integer.parseInt(args[1]);
        if(i<=0 || k>j)
        {
            throw new WrongAge();
        }
    }
}
```

```
    int age;
    Father(int age1)
    {
        age=age1;
        System.out.println("Father age:"+age);
    }
}
class Son extends Father
{
    Son(int age1)
    {
        super(age1);
        System.out.println("Son age:"+age);
    }
}
class AGE_main1
{
    public static void main(String args[]) throws WrongAge
    {

        int i=args.length;
        int j=Integer.parseInt(args[0]);
        int k=Integer.parseInt(args[1]);
        if(i<=0 || k>j)
        {
            throw new WrongAge();
        }
        else
        {
            Father f=new Father(j);
            Son s=new Son(k);
        }
    }
}
```

```
class Generics<T, U,S>
{
    T obj1;
    U obj2;
    S obj3;
    Generics(T obj1, U obj2,S obj3)
    {
        this.obj1 = obj1;
        this.obj2 = obj2;
        this.obj3 = obj3;
    }
    public void print()
    {
        System.out.println(obj1);
        System.out.println(obj2);
        System.out.println(obj3);
    }
}

class Genericsmain
{
    public static void main (String[] args)
    {
        Generics <String,Integer, String> obj =
            new Generics<String, Integer,String>("WEEK", 7,"LAB-PROGRAM");

        obj.print();
    }
}
```

Command Prompt

Microsoft Windows [Version 10.0.18363.1198]
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C:\Users\Nikita>cd desktop

C:\Users\Nikita\Desktop>cd OOJ_LAB

C:\Users\Nikita\Desktop\OOJ_LAB>javac Generics.java

C:\Users\Nikita\Desktop\OOJ_LAB>java Genericsmain
WEEK
7
LAB-PROGRAM

C:\Users\Nikita\Desktop\OOJ_LAB>javac AGE_main1.java

C:\Users\Nikita\Desktop\OOJ_LAB>java AGE_main1 45 30
Father age:45
Father age:30
Son age:30

C:\Users\Nikita\Desktop\OOJ_LAB>java AGE_main1 20 35
Exception in thread "main" Please enter the right age:Son's age > Father's age
at AGE_main1.main(AGE_main1.java:36)

C:\Users\Nikita\Desktop\OOJ_LAB>

Type here to search



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24-11-2020

