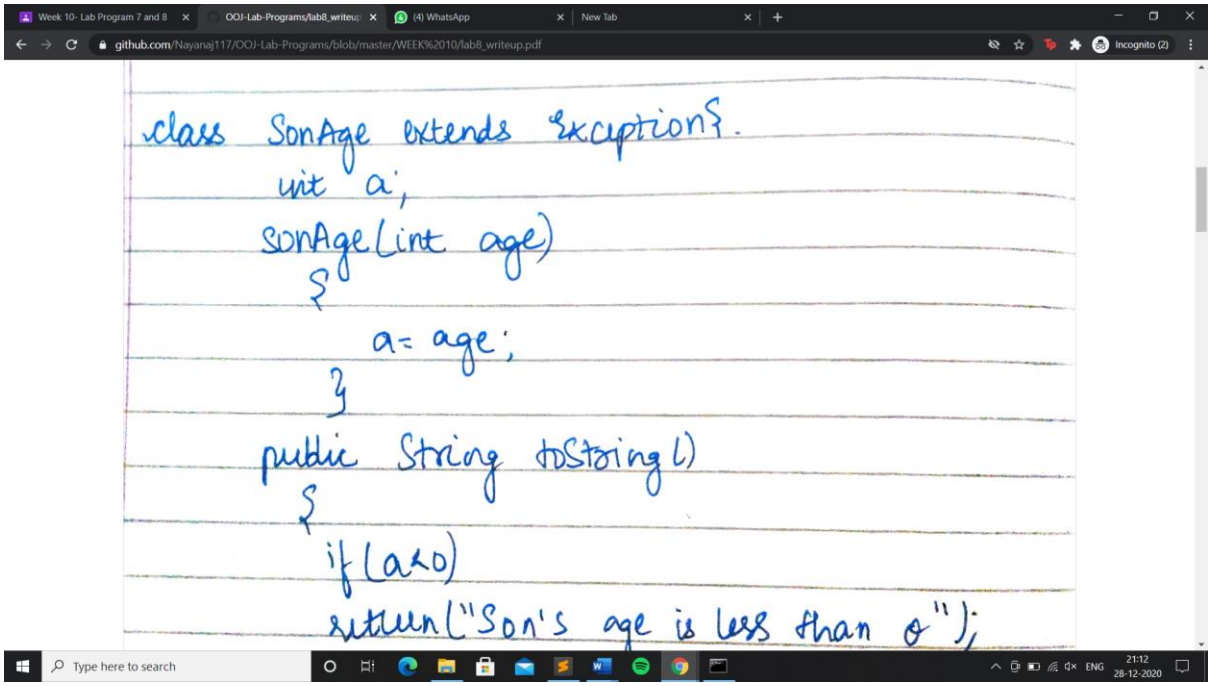
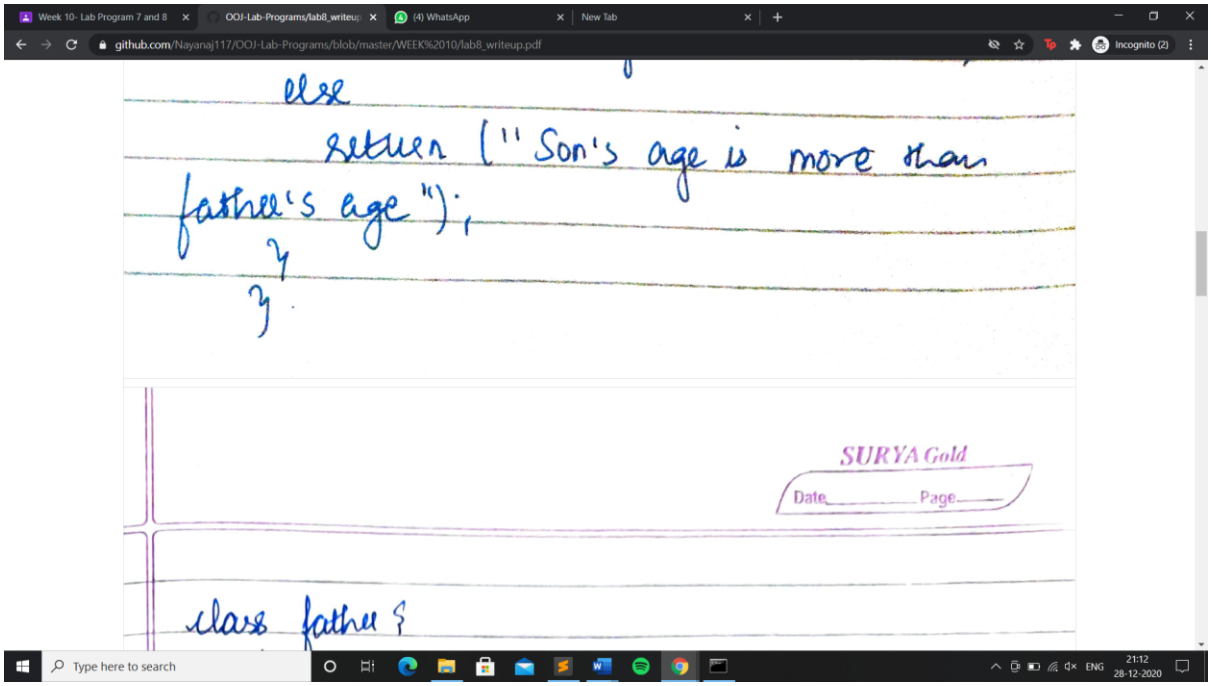
LAB PROGRAM 8

Write a program that demonstrates handling of exceptions in inheritance tree. Create a base class called “Father” and derived class called “Son” which extends the base class. In Father class,implement a constructor which takes the age and throws the exception Wrong Age( ) when the input age=father’s age.



```
class SonAge extends Exception{
  int a;
  SonAge(int age)
  {
    a= age;
  }
  public String toString()
  {
    if(a<0)
    return("Son's age is less than 0");
```



```
    else
    return ("Son's age is more than
father's age");
  }
}
```

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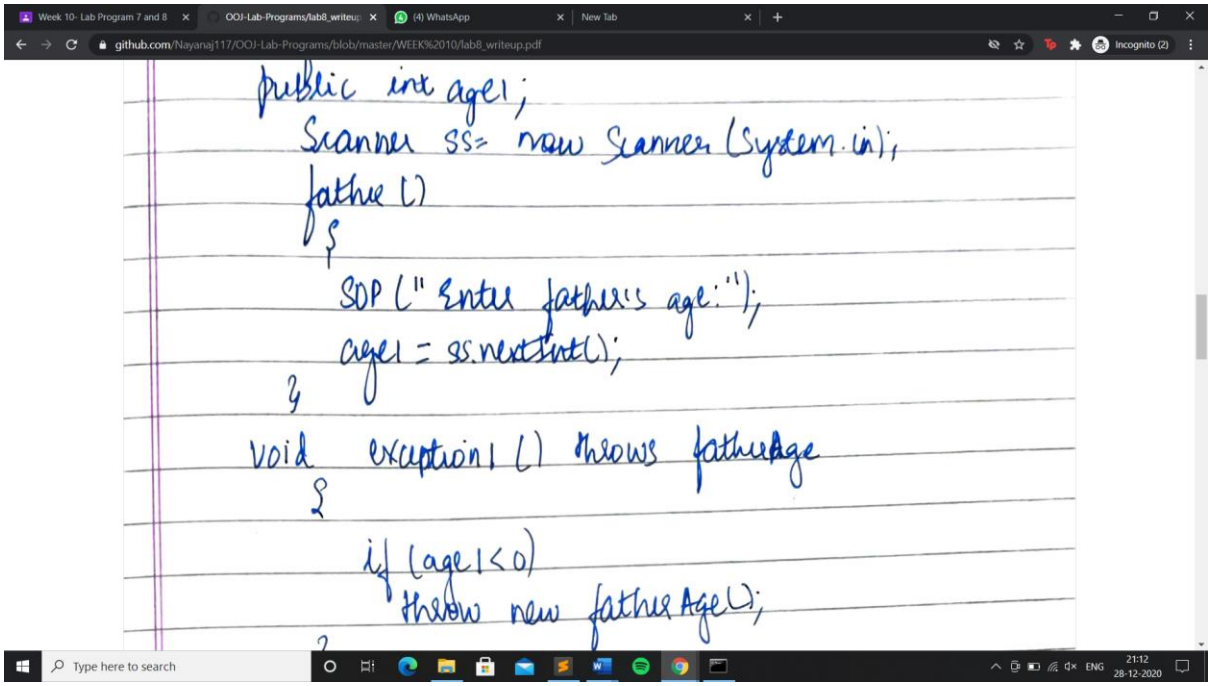
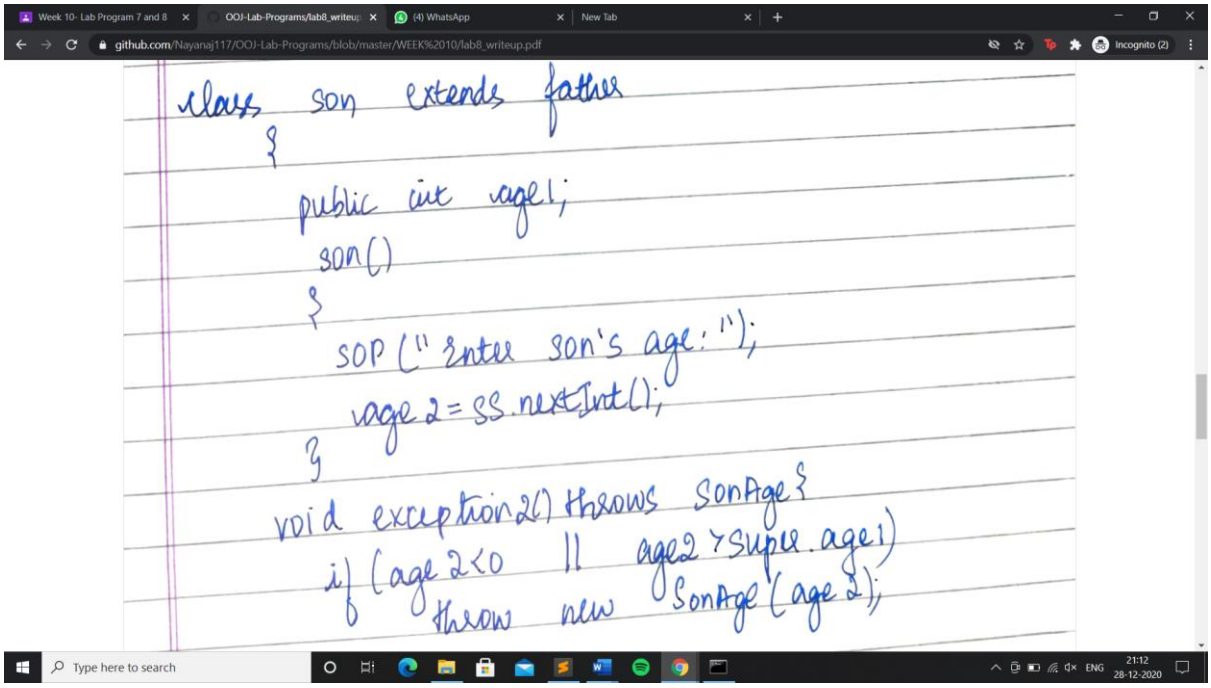
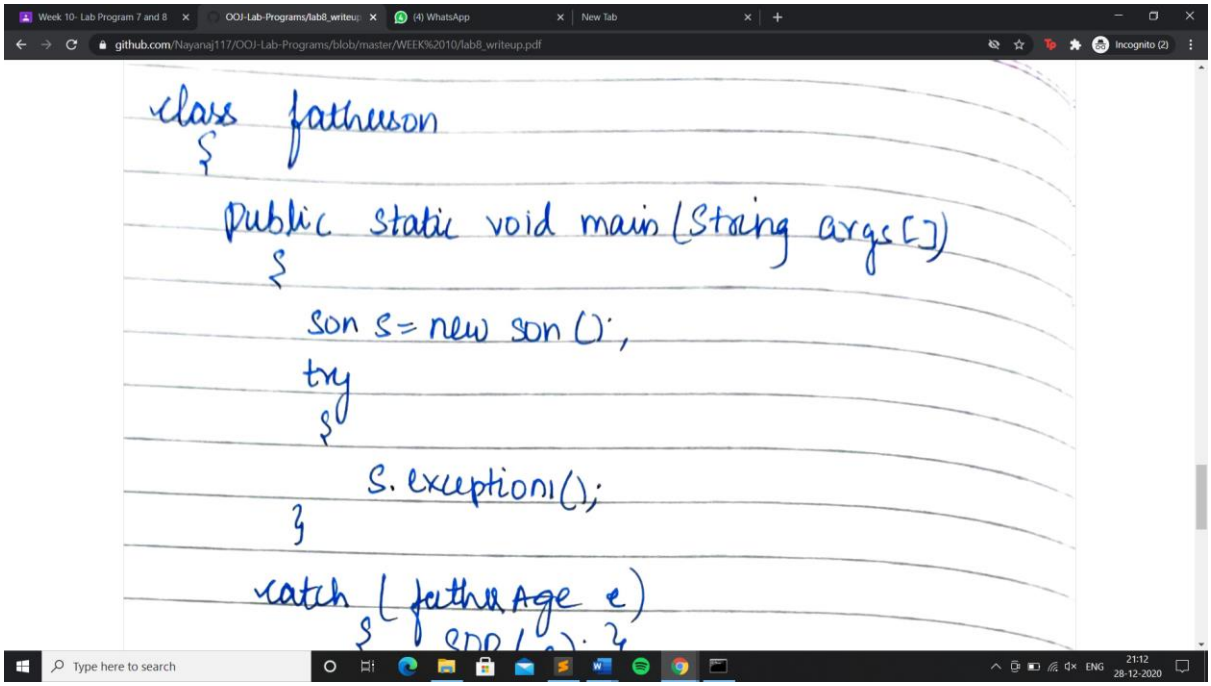
```
class father {
```



```
public int age1;
  Scanner ss= new Scanner (System.in);
  father ()
  {
    SOP ("Enter father's age:");
    age1 = ss.nextInt();
  }
void exception1 () throws fatherAge
  {
    if (age1<0)
      throw new fatherAge();
```



```
class son extends father
  {
    public int age1;
    son()
    {
      SOP ("Enter son's age:");
      age2 = ss.nextInt();
    }
void exception2() throws SonAge{
  if (age2<0 || age2 > super.age1)
      throw new SonAge(age2);
```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(4) WhatsApp
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github.com/Nayanaj117/OOJ-Lab-Programs/blob/master/WEEK%2010/lab8_writeup.pdf
Incognito (2)
class fatherson
{
Public Static void main (String args[])
{
Son S= new Son ();
try
{
S.exception1();
}
catch (fatherAge e)
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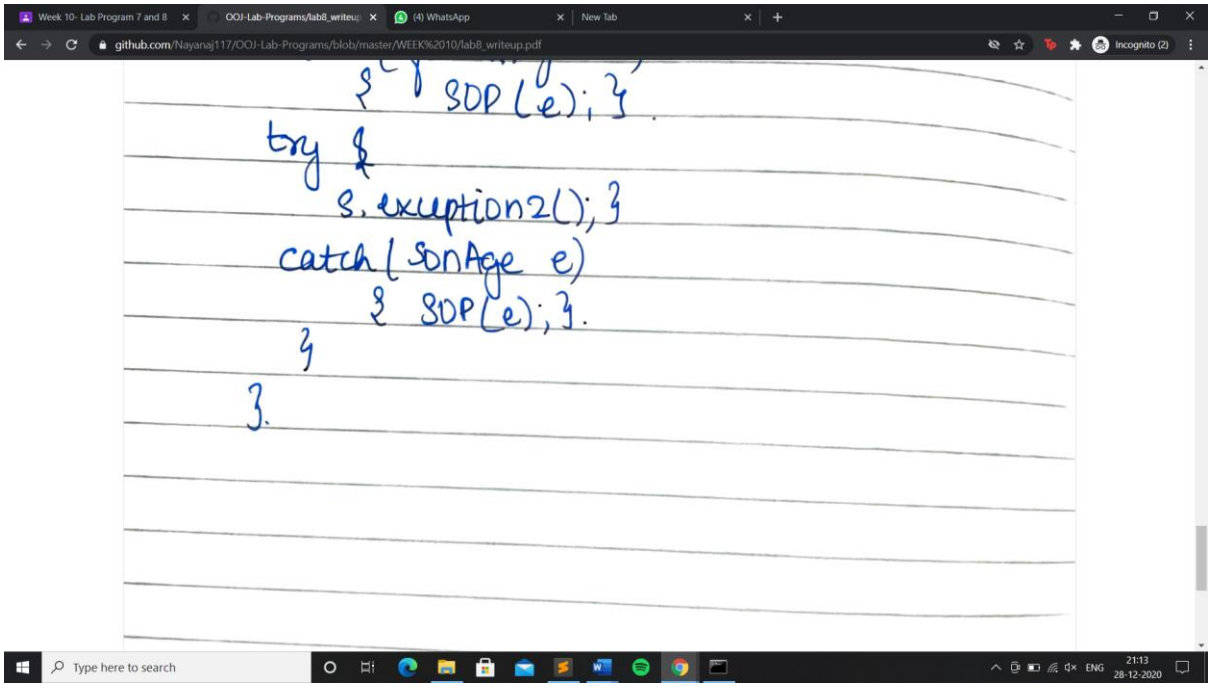
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(4) WhatsApp
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github.com/Nayanaj117/OOJ-Lab-Programs/blob/master/WEEK%2010/lab8_writeup.pdf
Incognito (2)
SOP(e);}
try {
S.exception2();}
catch (SonAge e)
{ SOP(e);}
}
}
Type here to search
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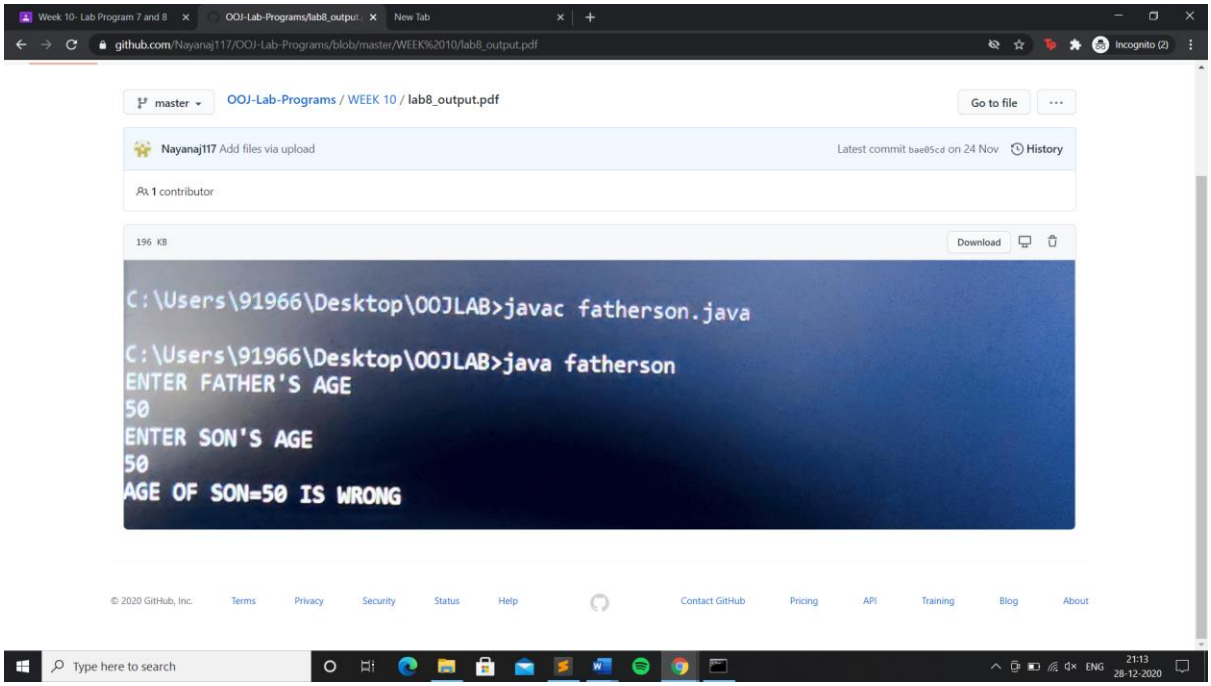
28-12-2020

OUTPUT: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Incognito (2)
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Nayanaj117 Add files via upload
Latest commit bae85cd on 24 Nov
History
1 contributor
196 KB
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