

LAB 8

```
class Father
{

static void acceptNameF(int inputAge) throws ArithmeticException
{
try
{
if(inputAge<0)
throw new ArithmeticException("Wrong Age");
}
catch (ArithmeticException e) {
System.out.println("Caught " + e);
}
}

}

class Son extends Father
{

static void CheckSFage(int S_Age, int F_Age) throws
ArithmeticException
```

```

{
try{
if(S_Age>=F_Age)
throw new ArithmeticException("Son's age should be smaller than
father's age ,wrong age");
System.out.println("Son's age is"+S_Age+"Fathers age is
"+F_Age);

}
catch (ArithmeticException e) {
System.out.println("FCaught " + e);
}

}
}
public class ExceptionHandling{
public static void main(String args[]) {

Father.acceptNameF(-10);
Son.CheckSFage(30,20);

}
}

```

OUTPUT

```
OOPS_Progs — -bash — 80x24
Last login: Thu Nov 26 22:37:35 on ttys000

The default interactive shell is now zsh.
To update your account to use zsh, please run `chsh -s /bin/zsh`.
For more details, please visit https://support.apple.com/kb/HT208050.
Sudeshnas-MacBook-Air:~ sudeshnabhushan$ cd Desktop/3rd_SEM/OOPS_Progs
Sudeshnas-MacBook-Air:OOPS_Progs sudeshnabhushan$ javac ExceptionHandling.java
Sudeshnas-MacBook-Air:OOPS_Progs sudeshnabhushan$ java ExceptionHandling
Caught java.lang.ArithmeticException: Wrong Age
FCaught java.lang.ArithmeticException: Son's age should be smaller than father's
age ,wrong age
Sudeshnas-MacBook-Air:OOPS_Progs sudeshnabhushan$
```