Exception Class // where Exception is defined(What is the exception?)

**package** employee;

**public** **class** Exception\_Employee **extends** Exception{

String msg;//string to display on exception

**public** Exception\_Employee() { // default constructor

}

**public** Exception\_Employee(String msg) { //parameterized constructor.

**this**.msg=msg;

}

**public** String toString(){ //toString Method overriden;

**return** " cannot add previous data"; //this will be displayed when 'S.O.P(exception object);' ais executed

}

}

Exception’s Main(logic of exception and catch)

**package** employee;

**public** **class** Exception\_main {

**int** eid;

String Age;

**public** Exception\_main(**int** eid,String Age) {

**this**.eid=eid;

**this**.Age=Age;

}

**public** **static** **void** main (String[] args)**throws** Exception\_Employee{

Exception\_main[] Employee\_Array=**new** Exception\_main[6];

**int** i=0;

**while**(**true**)

{ Employee\_Array[i]=**new** Exception\_main(12,"Raj");

System.***out***.println("\n i ::"+i+"\teid::12");

i++;

**try**

{**if**(i>3)

**throw** **new** Exception\_Employee("this is the last Employee");

}

**catch** (Exception\_Employee e)

{

System.***out***.println(e+" i= "+i);

**break**;

}

}

}

}

Handling arithmetic expression:

**package** employee;

**public** **class** Exception\_Arithmetic {

**int** a=10,b=0;

**public** **static** **void** main(String[] a) **throws** Exception

{ Exception\_Arithmetic a1=**new** Exception\_Arithmetic();

**try**{

System.***out***.println(a1.a/a1.b);

}

**catch**(ArithmeticException e)

{System.***out***.println("can not calculate");}

}

}