

case-2 :-

We can use throws keyword only for ~~no~~ throwables types. If we are trying to use for normal java classes then we will get C.T. Error saying

Incompatible Types :-

found Test

required :- J.L. Throwable

<pre> class Test {     public void m1() throws         Test     {     } } </pre>	<pre> class Test extends R.T.E {     public void m1() throws         Test     {     } } </pre>
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Case-3 :->

<pre> class Test {     p s v m (String[] args)     {         throw new Exception();     } } </pre> <p style="text-align: center;">checked</p>	<pre> class Test {     p s v m (String[] args)     {         throw new Error();     } } </pre>
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C.T.E :- Unreported Exception :-

J.L. Exception ;  
must be caught or  
~~checked~~ declared to  
be thrown.

RTE :- Exception in Thread

"main" J.L. Error at  
Test.main().

Case 4 :-

Within the try block, if there is no chance of raising an exception, then we can't write catch blocks for that exception otherwise we will get C.T.E saying

Exception XXX is Never thrown in body of corresponding try statement.  
 But ~~catch~~ try rule is applicable only for fully checked Exception.

```
(1) class Test
{
    psvm(String[] args)
    {
        try
        {
            s.o.p("Hello");
        }
        catch(AE e)
        {
        }
    }
}
```

unchecked  
 O/P ⇒ Hello.

```
(2) class Test
{
    psvm(String[] args)
    {
        try
        {
            s.o.p("Hello");
        }
        catch (Exception e)
        {
        }
    }
}
```

partially checked  
 O/P ⇒ Hello ✓

```
(3) class Test
{
    psvm(String[] args)
    {
        try
        {
            s.o.p("Hello");
        }
        catch (IOException e)
        {
        }
    }
}
```

fully checked exception  
 ✗

```
(4) class Test
{
    psvm(String[] args)
    {
        try
        {
            s.o.p("Hello");
        }
        catch (InterruptedException e)
        {
        }
    }
}
```

✗

Exception J.L.IOException is Never thrown in body of corresponding try statement.

```
(5) class Test {
    psvm(String[] args) {
        try {
            s.o.p("Hello");
        }
        catch (Error e) {
        }
    }
}
```

unchecked  
 O/P ⇒ Hello. ✓