

Create user defined
exception

Create your own exception- user defined exception

- Define a subclass of Exception (which is, of course, a subclass of Throwable).
- The Exception class does not define any methods of its own. It inherits those methods provided by Throwable.
- Constructors of Exception.

Exception()

Exception(String msg)

```
class MyException extends Exception
```

```
{  
    MyException(String exception)  
    {  
        super(exception);  
    }  
}
```

```
class CreateException
```

```
{  
    static void vote(int age) throws MyException  
    {  
        System.out.println("Vote " + age );  
        if(age < 18)  
            throw new MyException("Invalid age . Not eligible to vote");  
        else  
            System.out.println("Eligible to vote");  
    }  
}
```

```
public static void main(String args[])  
{  
    try  
    {  
        vote(20);  
        vote(10);  
    }  
    catch (MyException e)  
    {  
        System.out.println("Caught " + e);  
    }  
}
```

OUTPUT

Vote 20

Eligible to vote

Vote 10

Caught MyException: Invalid
age . Not eligible to vote

```

class MyException extends Exception
{
    MyException(String exception)
    {
        super(exception);
    }
}

class CreateException
{
    static void vote(int age) throws MyException
    {
        System.out.println("Vote " + age );
        if(age < 18)
            throw new MyException("Invalid age . Not eligible to vote");
        else
            System.out.println("Eligible to vote");
    }
}

```

```

public static void main(String args[])
{
    try
    {
        vote(20);
        vote(10);

    }
    catch (MyException e)
    {
        System.out.println("Caught " + e);
    }
}

```

OUTPUT
 Vote 20
 Eligible to vote
 Vote 10
 Caught MyException: Invalid
 age . Not eligible to vote

