**package** assignments;

**class** Build{

**int** length;

**int** width;

**public** Build(**int** length, **int** width) {

**this**.length=length;

**this**.width=width;

}

**public** String builder(**int** blength, **int** bwidth, **int** count) **throws** ShortageException, TendorException {

**int** actualCount;

actualCount=(length/blength)\*(width/bwidth);

**if**(length%blength!=0)

actualCount++;

**if**(width%bwidth!=0)

actualCount++;

**if**(length%blength==0&&width%bwidth==0&&actualCount>count)

**throw** **new** ShortageException("Need more bricks");

**if**(length%blength!=0||width%bwidth!=0&&actualCount<count)

**throw** **new** TendorException("Building dimension mismatched");

**if**(length%blength!=0||width%bwidth!=0&&actualCount>count)

**throw** **new** ShortageException("Need more bricks with dimension mismatched");

**return**"Builder!!";

}

}

**class** ShortageException **extends** Exception{

**public** ShortageException(String msg) {

System.***out***.println("ShortageException: "+msg);

}

}

**class** TendorException **extends** Exception{

**public** TendorException(String msg) {

System.***out***.println("TendorException: "+msg);

}

}

**public** **class** question49 {

**public** **static** **void** main(String[] args) {

Build build = **new** Build(100,100);

**try** {

String s = build.builder(10, 10, 100);

System.***out***.println(s);

String s1 = build.builder(10, 10, 50);

System.***out***.println(s1);

}

**catch**(Exception e) {

}

}

}