34)

package doselect;

public class Bomb {

int time;

String color;

public Bomb(int time, String color){

this.time=time;

this.color=color;

}

}

class Suicide{

Bomb bomb;

public Suicide(Bomb bb){

this.bomb=bb;

}

public String diffuseIt(int time, String color) throws Exception{

if(time>this.bomb.time){

throw new SuicideException("Time exceeded");

}

else if(!color.equals(this.bomb.color)){

throw new SuicideException("Wrong color");

}

else{

return "Hope is there";

}

}

public String checkSafety(int time, String color) throws Exception{

try{

diffuseIt(time,color);

}

catch(SuicideException e){

return "Bomb Exploded";

}

catch(Exception e){

return "Bomb Exploded";

}

return "Take a bow";

}

}

class SuicideException extends Exception{

public SuicideException(String msg){

super(msg);

}

}

class BombMain{

public static void main(String[] args){

Bomb b=new Bomb(10,"red");

Suicide sc=new Suicide(b);

String s;

try {

s = sc.diffuseIt(5,"red");

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

}

catch (Exception e) {

System.out.println(e.getMessage());

}

String t;

try {

t = sc.checkSafety(8,"blue");

System.out.println(t.toLowerCase());

} catch (Exception e) {

System.out.println(e.getMessage());

}

}

}