

```
1 package com.company;
2
3 public class Ninja {
4     private String name;
5     private int health;
6     private int attackPoint;
7     private int diceRollPoint;
8     private final int maxPercentAttack = 100;
9     private int minPercentAttack = 50;
10
11     public Ninja(String name){
12         this.name = name;
13         health = 10;
14         attackPoint = 1;
15     }
16
17
18     public int getHealth() {
19         return health;
20     }
21
22     public void setHealth(int health) {
23         this.health = health;
24     }
25
26     public int getAttackPoint() {
27         return attackPoint;
28     }
29
30     public void setAttackPoint(int attackPoint) {
31         this.attackPoint = attackPoint;
32     }
33
34     public int getDiceRollPoint() {
35         return diceRollPoint;
36     }
```

```
37
38     public void setDiceRollPoint(int diceRollPoint) {
39         this.diceRollPoint = diceRollPoint;
40     }
41
42     public boolean Defense(){
43         int randomNumber = (int) ((Math.random() * maxPercentAttack-minPercentAttack+1) + minPercentAttack);
44         System.out.println(randomNumber);
45         return randomNumber > 50 ? true : false;
46     }
47
48     public void Attack(Ninja enemyNinja){
49         if (!enemyNinja.Defense()){
50             System.out.println("Successfull hit from "+enemyNinja.getName() + " by "+enemyNinja.getAttackPoint
51             () + " hit");
52             enemyNinja.setHealth(enemyNinja.getHealth()-getAttackPoint());
53         }
54         else {
55             System.out.println("Missed , maybe next time "+enemyNinja.getName());
56         }
57     }
58
59     public String getName() {
60         return name;
61     }
62 }
63
64
```