

```
package lala;

import java.util.Random;
import java.util.Scanner;

public class Dice {

    public static void main(String[] args) {
        // TODO Auto-generated method stub
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        Scanner scan = new Scanner(System.in);           //import scanner
        Random generator = new Random();                //create Random
object for rolling dice

        int player1=0;
        int player2=0;                                //initializing players
        int player3=0;
        boolean gameover = false;                      //gameover initialized to
false,
                                                //means game continues until gameover is
true

        while(!gameover) {
            do {                                     //game continues until one player
reach 15
```

```
int dice1 =generator.nextInt(6)+1;           //first roll 1 to 6
int dice2 =generator.nextInt(6)+1;           //second roll 1
to 6

player1 +=dice1 + dice2;                     //player1 total score

System.out.println("player 1 rolls a "+dice1+" and a "+dice2);
System.out.println("player 1 now has "+player1);
//printing player1 total rolls and score

if(player1 >= 15)
{
    gameover= true;                         // if player1
reached or passed 15 stop the game
    break;
}

if(dice1 != dice2)                          //if player1 rolls doubles
he will roll again
                                            //otherwise, his turn ends
    break;
}

while(true);
if(gameover)                                // if player2 reached or passed
15 stop the game
    break;
```

```

do {                                //game continues until one player
reach 15

    int dice1 = generator.nextInt(6)+1;      //first roll 1 to 6
    int dice2 = generator.nextInt(6)+1;      //second roll 1 to
6

    player2 +=dice1 + dice2;                //player2 total score

    System.out.println("player 2 rolls a "+dice1+" and a "+dice2);
    System.out.println("player 2 now has "+player2);
//printing player2 total rolls and score

    if(player2 >= 15)
    {
        gameover= true;
        break;                      // if player2 reached or
passed 15 stop the game
    }

    if(dice1 != dice2)
        break;                      //if player2 rolls doubles
he will roll again
}

while(true);
if(gameover)

```

```

        break;

        //game continues until one
player reach 15

do {

    int dice1 = generator.nextInt(6)+1;           //first roll 1 to 6

    int dice2 = generator.nextInt(6)+1;           //second roll 1
to 6

    player3 +=dice1 + dice2;                      //player3 total
score

System.out.println("player 3 rolls a "+dice1+" and a
"+dice2);

System.out.println("player 3 now has "+player3);
//printing player3 total rolls and score

if(player3 >= 15)

{

    gameover= true;                            // if player3
reached or passed 15 stop the game

    break;

}

if(dice1 != dice2)                           //if player3 rolls
doubles he will roll again

    break;

}

```

```

        while(true);

                if(gameover)           //game continues

until one player reach 15

                break;

}

//determine who won,who got second and
who got third,

int first= Math.max(player1,Math.max (player2, player3));      //using
math.max, math.min to finding highest and lowest scores,
int third= Math.min(player1,Math.min(player2, player3));      //substracting highest
and lowest from total to get middle value,
int second= player1 + player2 + player3 -(first + third);      //which is secoond place

if(player1 == first)           //compares each player's score to the first
score,
                //then prints which one matches

System.out.println("player1 wins the first place with a total of
"+player1);

if(player2 == first)
System.out.println("player2 wins the first place with a total of
"+player2);

if(player3 == first)

```

```
System.out.println("player3 wins the first place with a total of " +  
player3);
```

```
if(first != second) {
```

```
    if(player1 == second) //compares each player's score to  
the second score,
```

```
        //then prints which one matches
```

```
        System.out.println("player1 wins the second place with a total  
of "+player1);
```

```
    if(player2 == second)
```

```
        System.out.println("player2 wins the second place with a total  
of "+player2);
```

```
    if(player3 == second)
```

```
        System.out.println("player3 wins the second place with a total  
of "+player3);}
```

```
if(first != third && second != third) {
```

```
    if(player1 == third) //compares each player's score  
to the first score,
```

```
        //then prints which one matches
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```
        System.out.println("player1 wins the third place with the total of  
"+player1);
```

```
    if(player2 == third)
        System.out.println("player2 wins the third place with a total of
"+player2);

    if (player3 == third)
        System.out.println("player3 wins the third place with a total of
"+player3);}

}
```