Experiment-5

Code:

public class RollDoubles{

public static void main( String[ ] args){

int frequency1 = 0;

int frequency2 = 0; int frequency3 = 0; int frequency4 = 0; int frequency5 = 0; int frequency6 = 0; int dice1,dice2;

for ( int roll = 1; roll <= 10000; roll++ )

{

dice1 = (int)(Math.random()\*10)%6+1; dice2 = (int)(Math.random()\*10)%6+1; if(dice1==dice2)

{

switch(dice1)

{

case 1: ++frequency1; break;

case 2: ++frequency2; break;

case 3: ++frequency3; break;

case 4: ++frequency4; break;

case 5: ++frequency5;

break;

case 6: ++frequency6; break;

}

}

}

System.out.println( "Doubles\tFrequency" );

System.out.printf( "1\t%d\n2\t%d\n3\t%d\n4\t%d\n5\t%d\n6\t%d\n", frequency1, frequency2, frequency3, frequency4,frequency5,

frequency6 );

}

}