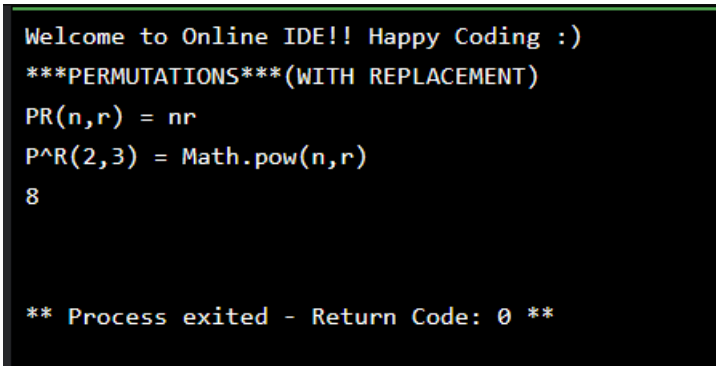
********** OUTPUT **********



/
*** CODE **

```
/*
Online Java - IDE, Code Editor, Compiler

Online Java is a quick and easy tool that helps you to build, compile, test your programs online.
*/

// This has no recursion.. Its permutation with replacement...

import java.math.*;
import java.util.*;

public class Permutation
{
   public static void main(String[] args) {
      System.out.println("Welcome to Online IDE!! Happy Coding :)");

      int n=2;
      int r =3;

      // n = objects
      // r = sample

      System.out.println("***PERMUTATIONS***(WITH REPLACEMENT)");

      System.out.println("PR(n,r) = nr");

      System.out.println(Permutations (n,r));

   }

   public static long Permutations (int n, int r)
   {
```

```
        System.out.println("P^R(" + n+","+r+") = " + "Math.pow(n,r)");
        return (long)Math.pow(n,r);

    }
}
```