**package** shiyan4;

**public** **class** Text1 {

**public** **static** **void** main(String args[]) {

**int** x=4;

**int** y=5;

**double** d=6.789;

System.out.println("x的y次方"+Math.pow(x,y));

System.out.println("x和y的最小值"+Math.min(x,y));

System.out.println("x和y的最大值"+Math.max(x,y));

System.out.println("d取整后的结果"+Math.floor(d));

System.out.println("d四舍五入之后"+Math.round(d));

System.out.println("atan(d):"+Math.atan(d));

}

}

**package** shiyan4;

**public** **class** Text2 {

**public** **static** **void** main(String args[]) {

String s1="Hello";

String s2="Hello";

String s3=**new** String("Hello");

String s4=**new** String("Hello");

System.out.println("s1==s2:"+(s1==s2));

System.out.println("s3==s4:"+(s3==s4));

System.out.println("s1==s3:"+(s1==s3));

System.out.println("s1 equals s2:"+s1.equals(s2));

System.out.println("s3 equals s4:"+s3.equals(s4));

System.out.println("s1 equals s3:"+s1.equals(s3));

}

}

**package** shiyan4;

**public** **class** Text3A {

**public** **static** **void** main(String args[]) {

**double** b[]=**new** **double**[7];

**for**(**int** t=0;t<100;t++) {

b[(**int**)(Math.random()\*6)+1]++;

}

**for**(**int** i=0;i<6;i++) {

System.out.println(i+"出现的概率");

System.out.println(b[i]/100.0);

}

}

}

**package** shiyan4;

**public** **class** Text3B {

**public** **static** **void** main(String args[]) {

**double** b[]=**new** **double**[7];

**for**(**int** t=0;t<1000;t++) {

b[(**int**)(Math.random()\*6)+1]++;

}

**for**(**int** i=0;i<1000;i++) {

System.out.println(i+"出现的概率");

System.out.println(b[i]/1000.0);

}

}

}

**package** shiyan4;

**import** java.util.\*;

**public** **class** Text4 {

**public** **static** **void** main(String args[]) {

**int** max=0;

**int** min=0;

**int** M=0;

**double** average;

**int** a[]=**new** **int**[8];

**for**(**int** i=0;i<8;i++) {

Object sc;

a[i]=((Object)sc).nextlnt();

**if**(a[i]>=max)

max=a[i];

**if**(a[i]<=min)

min=a[i];

M+=a[i];

}

average=(**double**)M/5;

System.out.println(max+"是最大值");

System.out.println(min+"是最小值");

System.out.println(M+"是数组的和");

}

}

**package** shiyan4;

**import** java.util.Scanner;

**public** **class** Text5 {

**public** **static** **void** main(String args[]) {

Scanner in=**new** Scanner(System.in);

String a,b;

a=in.next();

b=in.next();

System.out.println(a. replace(b,""));

}

}

**package** shiyan4;

**import** java.util.Scanner;

**public** **class** Text6 {

**public** **static** **void** main(String args[]) {

Scanner in=**new** Scanner(System.in);

String a,b;

a=in.next();

b=in.next();

**char** c=b.charAt(0);

**char** m[]=**new** **char**[a.length()];

m=a.toCharArray();

**int** i;

**int** sum=0;

**for**(i=0;i<a.length();i++) {

**if**(m[i]==c) {

sum++;

}

}

System.out.print(sum);

}

}

**package** shiyan4;

**public** **class** Text7 {

**public** **static** **void** main(String args[]) {

String s="Let us study java";

String s1=s.toLowerCase();

String s2=s.toUpperCase();

String s3=s.replace(" ","#");

System.out.println("转化为大写"+s2);

System.out.println("转化为小写"+s1);

System.out.println("把字符串中的空格用符号“#”："+s3);

}

}