4.10 How do you display the characters \ and "?

如何显示字符\和 ?

答：使用转义字符 \，输入为 \\ 和 \?

4.12 Can the following conversions involving casting be allowed? If so, find the converted result.

下面涉及类型转换的转换合法吗？如果合法，给出转换后的结果。

char c = 'A';

int i = (int)c;

float f = 1000.34f;

int i = (int)f;

double d = 1000.34;

int i = (int)d;

int i = 97;

char c = (char)i;

答：

（1）i=65

（2）i=1000

（3）i=1000

（4）c=‘a’

4.13 Show the output of the following program:

给出下面程序的输出结果。

public class Test {

public static void main(String[] args) {

char x = 'a';

char y = 'c';

System.out.println(++x);

System.out.println(y++);

System.out.println(x - y);

}

}

答：

b

c

-2

4.14 Write the code that generates a random lowercase letter.

编写代码，产生随机的小写字母。

答：

public class Text {

public static void main(String[] args) {

int c = 'a' + (int) (Math.random() \* 26);

System.out.print((char) c);

}

}

4.24 Show the output of the following statements.

给出下面语句的输出。

答：

(a) System.out.printf("amount is %f %e\n", 32.32, 32.32);

amount is 32.320000 3.232000e+01

(b) System.out.printf("amount is %5.2%% %5.4e\n", 32.327, 32.32);

输出有误 若%5.2%%改为%5.2f，则结果为amount is 32.33% 3.2330e+01

(c) System.out.printf("%6b\n", (1 > 2));

false

(d) System.out.printf("%6s\n", "Java");

Java

(e) System.out.printf("%-6b%s\n",(1 > 2), "Java");

false Java

(f) System.out.printf("%6b%-8s\n",(1 > 2), "Java");

falseJava