

1. Hello world

```
package constant;
```

```
public class helloworld{
```

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

```
        System.out.println("Hello world");
```

```
    }
```

2. case2_03

```
package case2;
```

```
public class case2_03{
```

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

```
        byte b = 127;
```

```
        int i = 150;
```

```
        float f = 45.12f;
```

```
        char c = 'a';
```

```
        double d = 45.46546;
```

```
        System.out.println("byte & float 数据进行运算结果:" + (b + f));
```

```
        System.out.println("byte & int 数据进行运算结果:" + (b + i));
```

```
        System.out.println("byte & char 数据进行运算结果:" + (b + c));
```

```
        System.out.println("double & char 数据进行运算结果:" + (d + c)); } }
```

3. case2_04

```
package case2;
```

```
public class case2_04{
```

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

```
        int i = (int) 45.23;
```

```

long l = (long) 456.65;
char c = (char) 97.14;
System.out.println(l);
System.out.println(c);
System.out.println(c); } }

```

4 ~~case~~ Constant

```

package constant;
public class Constant {
    public static void main(String[] args) {

```

// 字符串常量

```
System.out.println("hello world");
```

// 整数常量

```
System.out.println(67);
```

// 小数常量

```
System.out.println(182.23);
```

// 字符常量

```
System.out.println('A');
```

// 布尔常量

```
System.out.println(true);
```

// 空常量

```
System.out.println(null);
```

// 空常量不能直接输出

5 variable

package grammar-demo


```

public class variable {
    public static void main (String[] args) {
        // 定义 byte 类型的常量
        byte b = 10;
        System.out.println(b);
        // 定义 short 类型常量
        short s = 100;
        System.out.println(s);
        // 定义 int 类型常量
        int i = 1000;
        System.out.println(i);
        // 定义 double 类型常量
        double d = 13.14;
        System.out.println(d);
        // 定义 char 类型常量
        char c = 'a';
        System.out.println(c);
        // 定义 boolean 类型变量
        boolean b = true;
        System.out.println(b);
        // 定义 long 类型变量
        long L = 1000000L;
        System.out.println(L);
    }
}

```

6. logic

```
package grammar-demo;
```

```
public class logic{
```

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

```
        int i = 10;
```

```
        int j = 20;
```

```
        // 和 &&
```

```
        // System.out.println((i++>100)&&(j++>100));
```

```
        System.out.println((i++>100)&&(j++>100));
```

```
        System.out.println("i:" + i);
```

```
        System.out.println("j:" + j); } }
```

7. dataInput.

```
package grammar-demo; import java.util.Scanner;
```

```
public class dataInput{
```

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

```
        // 创建对象
```

```
        Scanner sc = new Scanner(System.in);
```

```
        // 接收数据
```

```
        int x = sc.nextInt();
```

```
        // 输出数据
```

```
        System.out.println("x:" + x);
```

8. ASCII

```
package grammar-demo;
```

```
public class ASCII{
```



```

public static void main (String[] args) {
    char F = 'g';
    boolean L = F == 'o';
    System.out.println(L); }

```

9. calculation

```

package grammar-demo;

public class calculation {
    public static void main (String[] args) {
        System.out.println("HelloWorld");
        System.out.println("Hello" + 23);
        System.out.println(23 + "Hello");
        System.out.println("Hello" + 2 + 3);
        System.out.println(2 + 3 + "Hello"); }

```

10. Byte

```

package grammar-demo;

public class Byte {
    public static void main (String[] args) {
        int password = 751248;
        int key = 7;
        System.out.println("原密码" + password);
        password = password << key;
        System.out.println("经过左移后的密码:" + password);
        password = password >> key;
        System.out.println("经过右移后的密码:" + password); }

```

11 BmiExponent

```
package grammar_demo;
```

```
public class BmiExponent {
```

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

```
        double h = 1.72;
```

```
        System.out.println("您的身高:" + h);
```

```
        int w = 70;
```

```
        System.out.println("您的体重:" + w);
```

```
        double BMI = w / (h * h);
```

```
        System.out.println("您的BMI为:" + BMI);
```

```
        System.out.println("您的体重属于:");
```

```
        if (BMI < 18.5) {
```

```
            System.out.println("体重较轻");
```

```
        } else if (BMI >= 18.5 & BMI < 24.9)
```

```
            System.out.println("体重正常");
```

```
        } else if (BMI >= 24.9 & BMI < 29.9)
```

```
            System.out.println("体重过重");
```

```
        } else
```

```
            System.out.println("肥胖");
```

```
    }
```

```
12. case2.05
```

```
package anli;
```

```
public class case2_05 {
```

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

```
        int t = 180;
```

```

int w = 200;
boolean a = t = w ? true : false;
System.out.println("a" + a);

```

13. case2_06

```

package anli;
public class case2_06 {
    public static void main(String[] args) {
        int a = 150;
        int b = 200;
        int c = 100;
        int d = a > b ? a : b;
        int f = b > c ? b : c;
        System.out.println("最高是:" + f);
    }
}

```

14 case2_07

```

package anli; import java.util.Scanner;
public class case2_07 {
    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
        int a = sc.nextInt();
        int b = sc.nextInt();
        int c = sc.nextInt();
        int d = a > b ? a : b;
        int f = b > c ? b : c;
        System.out.println("最高是:" + f);
    }
}

```