

21067010408方佳艳

1. Hello World

```
public class HelloWorld {  
    public static void main (String[] args) {  
        System.out.println ("Hello World");  
    }  
}
```

2. case2-03

```
package CASE;  
public class case2-03 {  
    public static void main (String[] args) {  
        byte b = 127;  
        int i = 100;  
        float f = 452.12f;  
        char c = '0';  
        double d = 45.46546;  
        System.out.println (b+f);  
        System.out.println (b*i);  
        System.out.println (b/c);  
        System.out.println (d+c);  
    }  
}
```

3. case2-04

```
package CASE;  
public class case2-04 {  
    public static void main (String[] args) {
```



```
int i = (int) 45.23;  
long l = (long) 456.6f;  
char c = (char) 97.14;  
System.out.println(i);  
System.out.println(l);  
System.out.println(c);  
}  
}
```

4. case2-05

```
package CASE;  
public class case2-05 {  
    public static void main (String[] args) {  
        int weight1 = 180;  
        int weight2 = 200;  
        boolean weight = (weight1 == weight2) ? true : false;  
        System.out.println("体重相等" + weight);  
    }  
}
```

5. case2-06

```
package CASE;  
public class case2-06 {  
    public static void main (String[] args) {  
        int a = 150;  
        int b = 210;
```



```

    int c = 165;
    int tempheight = (a > b) ? a : b;
    int max = (tempheight > c) ? tempheight : c;
    System.out.println("最高身高为：" + max);
}

```

6. case2-07

package CASE;

import java.util.Scanner;

public class case2_07 {

public static void main (String[] args) {

Scanner sc = new Scanner (System.in);

System.out.println("请输入第一个和尚的身高:");

int a = sc.nextInt();

System.out.println("请输入第二个和尚的身高:");

int b = sc.nextInt();

System.out.println("请输入第三个和尚的身高:");

int c = sc.nextInt();

int higher = (a > b) ? a : b;

int max = (higher > c) ? higher : c;

System.out.println("最高身高为：" + max);

}

7. ASCII

```
package grammar-demo;  
public class ASCII {  
    public static void main (String [] args) {  
        char F = '9';  
        boolean L = F == 103;  
        System.out.println (L);  
    }  
}
```

8. BMI exponent

```
package grammar-demo;  
public class BMIexponent {  
    public static void main (String [] args) {  
        double height = 1.72;  
        int weight = 70;  
        double BMI = weight / (height * height);  
        System.out.println ("您的身高为:" + height);  
        System.out.println ("您的体重为:" + weight);  
        System.out.println ("您的BMI指数为:" + BMI);  
        System.out.println ("您的体重属于:");  
        if (BMI < 18.5) {  
            System.out.println ("体重过轻");  
        }  
        if (BMI > 18.5 && BMI < 24.9) {  
            System.out.println ("正常范围");  
        }  
    }  
}
```



```

if (BMI > 24.9 && BMI < 29.9) {
    System.out.println("体重过重");
}
if (BMI >= 29.9) {
    System.out.println("肥胖");
}
}
}

```

9. Byte

package grammar-demo;

public class Byte {

public static void main (String[] args) {

int password = 151248;

int key = 7;

System.out.println("原密码" + password);

password = password << key;

System.out.println("经过左移运算加密后的结果是：" + password);

password = password >> key;

System.out.println("经过右移运算加密后的结果是：" + password);

}
}

10. calculation.

package grammar-demo;

public class calculation {


```

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

```

11. Constant

package grammar_demo;

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 (18.23);

// 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

}

12. 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);
```

```
        // 接受数据
```

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

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

```
        // 输出数据
```

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

```
    }
```

```
}
```

13. 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);
```

```
    }
```


14. Variable

package grammar demo;

public class Variable {

public static void main (String[] args) {

// 定义 byte 类型的变量

byte b = 10;

System.out.println (b);

// 定义 short 类型的变量;

short s = 100;

System.out.println (s);

// 定义 int 的变量

int i = 1000;

System.out.println (i);

// 定义 double 的类型的变量

double d = 13.14;

System.out.println (d);

// 定义 char 类型的变量

char c = 'a';

System.out.println (c);

// 定义 boolean 类型的变量

boolean b = true;

// System.out.println (b);

// 定义 long 类型的变量

long L = 1000000000L; // 1000000000

System.out.println (L);

// 定义float类型的变量

// float f = 13.14;

// System.out.println(f);

}

}