1. Hello World

```
public class HelloWorld {
    public static viod 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 = 10;
        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) {
```

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```
        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) ? hei'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. BMIexponent

```
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=751248;
        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");
    }
}
```

```
//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(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
    }
}
```

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12. dataImput

```
package grammar_demo;
import java.util.Scanner;
public class dataImput {
    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 = 10000000000L; //10000000
    System.out.println ();
```

```
        //定义float类型的变量
        //float f = 13.14;
        //System.out.println(f);
    }
}
```