```
### 01 ###
fun main()
{
     var Max : Int = 0;
    var Input : Int = 0;
    Max = readln().toInt();
    for (i in 0..1) // to expand the count of numbers(
    {
        Input = readln(). toInt();
        if (Input > Max) Max = Input;
    }
    println("Max number is $Max");
}

### 02 ###
fun main()
{
     var A : Int = readln().toInt();
    var B : Int = readln().toInt();
    var C : Int = readln().toInt();
    if (B > A && A > C || C > A && A > B)
     println("Average number of  $A $B $C  is $A");
    else if (A > B && B > C || C > B && B > A)
     println("Average number of  $A $B $C  is $B");
    else if (A > C && C > B || B > C && C > A)
     println("Average number of  $A $B $C  is $C");
    else
     println("There are equal numbers");
}
```

```
### 03 ###
fun main()
{
    print("A = ");
     var A : Int = readln().toInt();
    print("B = ");
    var B : Int = readln().toInt();
    if (A % 2 == B % 2)
    {
        if (A % 2 == 0) { println("both are even"); return; }
        println("both are odd"); return;
    }
    if (A % 2 == 0) { println("Only B ($B) is odd"); return; }
    println("Only A ($A) is odd")
}

### 04 ###
fun main()
{
    print("A = ");
     var A : Int = readln().toInt();
    print("B = ");
    var B : Int = readln().toInt();
    if (A > B)
    {
       if (A % B == 0)
       { println("A is multiple of B"); return; }
       println("remainder A / B is ${A%B}");
       return;
    }
    if (A == B) { println("A equal B"); return; }
    if (B % A == 0)
    { println("B is multiple of A"); return; }
    println("remainder B / A is ${B%A}");
}
```

05

```
fun main()
{
    print("A = ");
     var A : Int = readln().toInt();
    print("B = ");
    var B : Int = readln().toInt();
    print("C = ");
     var C : Int = readln().toInt();
    if (A + B < C || A + C < B || B + C < A)
    {
        println("Non-existent triangle");
        return;
    }
    println("Existing triangle");

}
```

06

```
fun main()
{
    print("Year: ");
     var Year : Int = readln().toInt();
    if (Year % 4 == 0)
    {
        println("There are 366 days in $Year, it is a leap year.");
        return;
    }
    println("There are 365 days in $Year, it is not a leap year.");

}
```

07

```
fun main()
{
    print("A = ");
     var A : Float = readln().toFloat();
    print("B = ");
    var B : Float = readln().toFloat();

    if (A > B)
    {
        println("A > B; $A > $B");
        return;
    }
    if (A == B) {println("equal");return;}
    println("A < B; $A < $B");

}
```

08

```
fun main()
{
    print("km = ");
     var km : Double = readln().toDouble();
    print("ft = ");
    var ft : Double = readln().toDouble();

    if (km > ft*0.00305)
    {
        println("$km km > $ft ft");
        return;
    }
    if (km == ft) {println("equal");return;}
    println("$km km < $ft ft");

}
```

```
### 09 ###
fun main()
{
    print("m = ");
     var M : Int = readln().toInt();
    print("n = ");
    var N : Int = readln().toInt();

    if (M % N == 0)
    {
        println("m / n = ${M/N}");
        return;
    }
    println("M isn`t divisible by N ");

}

### 10 ###
fun main()
{
    print("A = ");
     var A : Int = readln().toInt();
    print("B = ");
    var B : Int = readln().toInt();

    if (B % A == 0)
    {
        println("A is a divisor of B");
        return;
    }
    println("A isn`t a divisor of B");

}
```

```
### 11 ###
fun main()
{
    print("A = ");
     var A : Int = readln().toInt();

    if (A % 2 == 0)
    {
        println("A is even");
        return;
    }
    if (A % 10 == 7)
    {
     println("A ends in 7");
        return;
    }
    println("NAN");
}

### 12 ###
fun main() {
    print("A = ");
     var A : Int = readln().toInt();

    if (A % 10 > A / 10)
    {
        println("Second digit of A:$A is greater");
        return;
    }
    if (A % 10 < A / 10)
    {
        println("First digit of A:$A is greater");
        return;
    }
    println("Digits of A:$A are equal");
}
```

```
### 13 ###
fun main()
{
    print("Number = ");
     var A : Int = readln().toInt();
    print("a = ");
     var a : Int = readln().toInt();

    var D : Array<Int> = arrayOf(A%10, A/10%10, A/100);
    // Array D - Array of digits of A

    if (D[0] + D[1] == D[1] + D[2])
        println("Sum of last two digits equal to sum of first two digits.");
    if (D.sum() % 3 == 0)
     println("Sum of digits is divisible by 3");
    if (D[0] * D[1] * D[2] % 4 == 0)
     println("Product of digits is divisible by 4");
    if (D[0] * D[1] * D[2] % a == 0)
        println("Product of digits is divisible by a:$a");
}
```