

Review Control

Determine the program output and print the result in the right column.

Exercise01

```
// Output1301.java

public class Output1301
{
    public static void main(String args[])
    {
        for (int x = 1; x < 3; x++)
            for (int y = 1; y <= 3; y++)
                System.out.println(x + " " + y);
    }
}
```

Exercise02

```
// Output1302.java

public class Output1302
{
    public static void main(String args[])
    {
        for (int x = 0; x < 3; x++)
        {
            for (int y = 1; y < 4; y++)
                System.out.print(x * y + " ");
            System.out.println(!);
        }
    }
}
```

Exercise03

```
// Output1303.java

public class Output1303
{
    public static void main(String args[])
    {
        int x = 5;
        int k = 0;
        int y = 0;
        while (x < 7)
        {
            y = 1;
            while (y < 9)
            {
                y++;
                k = x + y;
            }
            x += y;
        }
        System.out.println("k = " + k);
    }
}
```

Exercise04

```
// Output1304.java

public class Output1304
{
    public static void main(String args[])
    {
        int a = 2, b = 3, c = 4, d = 5;
        while (a < b || c < d)
        {
            a = c + d;
            c = a + b;
        }
        System.out.println(a + " " + b + " " + c + " " + d);
    }
}
```

Exercise05

```
// Output1305.java

public class Output1305
{
    public static void main(String args[])
    {
        int a = 0;
        int b = 2;
        for (int k = 0; k < 4; k++)
        {
            a = k;
            b += k;
            while (a < b)
            {
                System.out.println(a + " " + b);
                a += b;
                b += k;
            }
        }
    }
}
```

Exercise06

```
// Output1306.java

public class Output1306
{
    public static void main(String args[])
    {
        int a = 0;
        int b = 20;
        while (a < b)
        {
            a += 2;
            b -= 3;
            System.out.println(a + " " + b);
        }
    }
}
```

Exercise07

```
// Output1307.java

public class Output1307
{
    public static void main(String args[])
    {
        int t = 0;
        for (int p = 0; p <= 4; p++)
            for (int q = 0; q < 4; q++)
                t++;
        System.out.println("t = " + t);
    }
}
```

Exercise08

```
// Output1308.java

public class Output1308
{
    public static void main(String args[])
    {
        int t = 0;
        for (int p = 0; p < 10; p++)
            for (int q = p; q < 10; q++)
                t++;
        System.out.println("t = " + t);
    }
}
```

Exercise09

```
// Output1309.java

public class Output1309
{
    public static void main(String args[])
    {
        int n1 = 0;
        int n2 = 1;
        int n3 = 0;
        for (int k = 3; k < 10; k++)
        {
            n3 = n1 + n2;
            n1 = n2;
            n2 = n3;
        }
        System.out.println("n3 = " + n3);
    }
}
```

Exercise10

```
// Output1310.java

public class Output1310
{
    public static void main(String args[])
    {
        int a = 5;
        int b = 10;
        int c = 25;
        while (a < b || b < c)
        {
            a += 3;
            b += 2;
            c -= 3;
        }
        System.out.println(a + " " + b + " " + c);
    }
}
```

Exercise11

```
// Output1311.java

public class Output1311
{
    public static void main(String args[])
    {
        int a = some unknown integer;
        int b = some unknown integer;
        int c = 0;
        if (a < b)
            if (b < a)
                c = 2000;
            else
                c = 3500;
        else
            if (b > a)
                c = 2500;
            else
                c = 3500;
        System.out.println("c = " + c);
    }
}
```

Exercise12

```
// Output1312.java

public class Output1312
{
    public static void main(String args[])
    {
        for (int x = 1; x <= 5; x++)
        {
            for (int y = x; y <= 5; y++)
                System.out.print(x + y + " ");
            System.out.println();
        }
    }
}
```