|  |  |
| --- | --- |
| **1** | **public class Q5** |
| **2** | **{** |
| **3** | **public static void main(String args[])** |
| **4** | **{** |
| **5** | **String test = "";** |
| **6** | **int i = 0, j = 0, k = 15;** |
| **7** | **test = "-->";** |
| **8** | **while (i < 5){** |
| **9** | **j = --k;** |
| **10** | **while (j > 10 ){** |
| **11** | **test = i + j + "-->" + test;** |
| **12** | **System.out.println(test);** |
| **13** | **j--;** |
| **14** | **}** |
| **15** | **i++;** |
| **16** | **}** |
| **17** | **}** |
| **18** | **}** |

Line 5: String test = "";

Line 6: int i = 0, j = 0, k = 15;

Line 7: test = "-->";

Line 8: while (i < 5){

Line 8: while (0 < 5){

Line 8: while (true){

Line 8: condition true, going inside 1st while loop ...

Line 9: j = --k;

Line 9: k=k-1; j = k;

Line 9: k=15-1; j = k;

Line 9: k=14; j = k;

Line 9: k=14; j = 14;

Line 10: while (j > 10){

Line 10: while (14 >10){

Line 10: while (true){

Line 10: condition true, going inside 2nd while ...

Line 11: test = i + j + "-->" + test;

Line 11: test = +0 + 14 + "-->" + -->;

Line 11: test = +14 + "-->" + -->;

Line 11: test = +14--> + -->;

Line 11: test = +14-->-->;

Line 12: System.out.println(test);

Line 12: System.out.println("14-->-->");

OUTPUT is =14-->-->

Line 13: j--;

Line 13: j=j-1;

Line 13: j=14-1;

Line 13: j=13;

Line 10: while (j > 10){

Line 10: while (13 >10){

Line 10: while (true){

Line 10: condition true, going inside 2nd while ...

Line 11: test = i + j + "-->" + test;

Line 11: test = +0 + 13 + "-->" + 14-->-->;

Line 11: test = +13 + "-->" + 14-->-->;

Line 11: test = +13--> + 14-->-->;

Line 11: test = +13-->14-->-->;

Line 12: System.out.println(test);

Line 12: System.out.println("13-->14-->-->");

OUTPUT is =13-->14-->-->

Line 13: j--;

Line 13: j=j-1;

Line 13: j=13-1;

Line 13: j=12;

Line 10: while (j > 10){

Line 10: while (12 >10){

Line 10: while (true){

Line 10: condition true, going inside 2nd while ...

Line 11: test = i + j + "-->" + test;

Line 11: test = +0 + 12 + "-->" + 13-->14-->-->;

Line 11: test = +12 + "-->" + 13-->14-->-->;

Line 11: test = +12--> + 13-->14-->-->;

Line 11: test = +12-->13-->14-->-->;

Line 12: System.out.println(test);

Line 12: System.out.println("12-->13-->14-->-->");

OUTPUT is =12-->13-->14-->-->

Line 13: j--;

Line 13: j=j-1;

Line 13: j=12-1;

Line 13: j=11;

Line 10: while (j > 10){

Line 10: while (11 >10){

Line 10: while (true){

Line 10: condition true, going inside 2nd while ...

Line 11: test = i + j + "-->" + test;

Line 11: test = +0 + 11 + "-->" + 12-->13-->14-->-->;

Line 11: test = +11 + "-->" + 12-->13-->14-->-->;

Line 11: test = +11--> + 12-->13-->14-->-->;

Line 11: test = +11-->12-->13-->14-->-->;

Line 12: System.out.println(test);

Line 12: System.out.println("11-->12-->13-->14-->-->");

OUTPUT is =11-->12-->13-->14-->-->

Line 13: j--;

Line 13: j=j-1;

Line 13: j=11-1;

Line 13: j=10;

Line 10: while (j > 10){

Line 10: while (10 >10){

Line 10: while (false){

Line 10: condition false, going outside 2nd while ...

Line 15: i++;

Line 15: i=i+1;

Line 15: i=0+1;

Line 15: i=1;

Line 8: while (i < 5){

Line 8: while (1 < 5){

Line 8: while (true){

Line 8: condition true, going inside 1st while loop ...

Line 9: j = --k;

Line 9: k=k-1; j = k;

Line 9: k=14-1; j = k;

Line 9: k=13; j = k;

Line 9: k=13; j = 13;

Line 10: while (j > 10){

Line 10: while (13 >10){

Line 10: while (true){

Line 10: condition true, going inside 2nd while ...

Line 11: test = i + j + "-->" + test;

Line 11: test = +1 + 13 + "-->" + 11-->12-->13-->14-->-->;

Line 11: test = +14 + "-->" + 11-->12-->13-->14-->-->;

Line 11: test = +14--> + 11-->12-->13-->14-->-->;

Line 11: test = +14-->11-->12-->13-->14-->-->;

Line 12: System.out.println(test);

Line 12: System.out.println("14-->11-->12-->13-->14-->-->");

OUTPUT is =14-->11-->12-->13-->14-->-->

Line 13: j--;

Line 13: j=j-1;

Line 13: j=13-1;

Line 13: j=12;

Line 10: while (j > 10){

Line 10: while (12 >10){

Line 10: while (true){

Line 10: condition true, going inside 2nd while ...

Line 11: test = i + j + "-->" + test;

Line 11: test = +1 + 12 + "-->" + 14-->11-->12-->13-->14-->-->;

Line 11: test = +13 + "-->" + 14-->11-->12-->13-->14-->-->;

Line 11: test = +13--> + 14-->11-->12-->13-->14-->-->;

Line 11: test = +13-->14-->11-->12-->13-->14-->-->;

Line 12: System.out.println(test);

Line 12: System.out.println("13-->14-->11-->12-->13-->14-->-->");

OUTPUT is =13-->14-->11-->12-->13-->14-->-->

Line 13: j--;

Line 13: j=j-1;

Line 13: j=12-1;

Line 13: j=11;

Line 10: while (j > 10){

Line 10: while (11 >10){

Line 10: while (true){

Line 10: condition true, going inside 2nd while ...

Line 11: test = i + j + "-->" + test;

Line 11: test = +1 + 11 + "-->" + 13-->14-->11-->12-->13-->14-->-->;

Line 11: test = +12 + "-->" + 13-->14-->11-->12-->13-->14-->-->;

Line 11: test = +12--> + 13-->14-->11-->12-->13-->14-->-->;

Line 11: test = +12-->13-->14-->11-->12-->13-->14-->-->;

Line 12: System.out.println(test);

Line 12: System.out.println("12-->13-->14-->11-->12-->13-->14-->-->");

OUTPUT is =12-->13-->14-->11-->12-->13-->14-->-->

Line 13: j--;

Line 13: j=j-1;

Line 13: j=11-1;

Line 13: j=10;

Line 10: while (j > 10){

Line 10: while (10 >10){

Line 10: while (false){

Line 10: condition false, going outside 2nd while ...

Line 15: i++;

Line 15: i=i+1;

Line 15: i=1+1;

Line 15: i=2;

Line 8: while (i < 5){

Line 8: while (2 < 5){

Line 8: while (true){

Line 8: condition true, going inside 1st while loop ...

Line 9: j = --k;

Line 9: k=k-1; j = k;

Line 9: k=13-1; j = k;

Line 9: k=12; j = k;

Line 9: k=12; j = 12;

Line 10: while (j > 10){

Line 10: while (12 >10){

Line 10: while (true){

Line 10: condition true, going inside 2nd while ...

Line 11: test = i + j + "-->" + test;

Line 11: test = +2 + 12 + "-->" + 12-->13-->14-->11-->12-->13-->14-->-->;

Line 11: test = +14 + "-->" + 12-->13-->14-->11-->12-->13-->14-->-->;

Line 11: test = +14--> + 12-->13-->14-->11-->12-->13-->14-->-->;

Line 11: test = +14-->12-->13-->14-->11-->12-->13-->14-->-->;

Line 12: System.out.println(test);

Line 12: System.out.println("14-->12-->13-->14-->11-->12-->13-->14-->-->");

OUTPUT is =14-->12-->13-->14-->11-->12-->13-->14-->-->

Line 13: j--;

Line 13: j=j-1;

Line 13: j=12-1;

Line 13: j=11;

Line 10: while (j > 10){

Line 10: while (11 >10){

Line 10: while (true){

Line 10: condition true, going inside 2nd while ...

Line 11: test = i + j + "-->" + test;

Line 11: test = +2 + 11 + "-->" + 14-->12-->13-->14-->11-->12-->13-->14-->-->;

Line 11: test = +13 + "-->" + 14-->12-->13-->14-->11-->12-->13-->14-->-->;

Line 11: test = +13--> + 14-->12-->13-->14-->11-->12-->13-->14-->-->;

Line 11: test = +13-->14-->12-->13-->14-->11-->12-->13-->14-->-->;

Line 12: System.out.println(test);

Line 12: System.out.println("13-->14-->12-->13-->14-->11-->12-->13-->14-->-->");

OUTPUT is =13-->14-->12-->13-->14-->11-->12-->13-->14-->-->

Line 13: j--;

Line 13: j=j-1;

Line 13: j=11-1;

Line 13: j=10;

Line 10: while (j > 10){

Line 10: while (10 >10){

Line 10: while (false){

Line 10: condition false, going outside 2nd while ...

Line 15: i++;

Line 15: i=i+1;

Line 15: i=2+1;

Line 15: i=3;

Line 8: while (i < 5){

Line 8: while (3 < 5){

Line 8: while (true){

Line 8: condition true, going inside 1st while loop ...

Line 9: j = --k;

Line 9: k=k-1; j = k;

Line 9: k=12-1; j = k;

Line 9: k=11; j = k;

Line 9: k=11; j = 11;

Line 10: while (j > 10){

Line 10: while (11 >10){

Line 10: while (true){

Line 10: condition true, going inside 2nd while ...

Line 11: test = i + j + "-->" + test;

Line 11: test = +3 + 11 + "-->" + 13-->14-->12-->13-->14-->11-->12-->13-->14-->-->;

Line 11: test = +14 + "-->" + 13-->14-->12-->13-->14-->11-->12-->13-->14-->-->;

Line 11: test = +14--> + 13-->14-->12-->13-->14-->11-->12-->13-->14-->-->;

Line 11: test = +14-->13-->14-->12-->13-->14-->11-->12-->13-->14-->-->;

Line 12: System.out.println(test);

Line 12: System.out.println("14-->13-->14-->12-->13-->14-->11-->12-->13-->14-->-->");

OUTPUT is =14-->13-->14-->12-->13-->14-->11-->12-->13-->14-->-->

Line 13: j--;

Line 13: j=j-1;

Line 13: j=11-1;

Line 13: j=10;

Line 10: while (j > 10){

Line 10: while (10 >10){

Line 10: while (false){

Line 10: condition false, going outside 2nd while ...

Line 15: i++;

Line 15: i=i+1;

Line 15: i=3+1;

Line 15: i=4;

Line 8: while (i < 5){

Line 8: while (4 < 5){

Line 8: while (true){

Line 8: condition true, going inside 1st while loop ...

Line 9: j = --k;

Line 9: k=k-1; j = k;

Line 9: k=11-1; j = k;

Line 9: k=10; j = k;

Line 9: k=10; j = 10;

Line 10: while (j > 10){

Line 10: while (10 >10){

Line 10: while (false){

Line 10: condition false, going outside 2nd while ...

Line 15: i++;

Line 15: i=i+1;

Line 15: i=4+1;

Line 15: i=5;

Line 8: while (i < 5){

Line 8: while (5 < 5){

Line 8: while (false){

Line 8: condition false, going outside 1st while loop ...