int i = 4;

while (i > 0) {

System.out.println(i);

i = i – 1;

}

System.out.println(“i=” + i);

|  |  |  |
| --- | --- | --- |
| i | (i>0) | Console |
| 4 | true | 4 |
| 3 | true | 3 |
| 2 | true | 2 |
| 1 | true | 1 |
| 0 | false | i=0 |

int i = 10, num = 30;

while (i < num) {

System.out.println(i);

i += 5;

}

|  |  |  |  |
| --- | --- | --- | --- |
| i | num | (i<num) | Console |
| 10 | 30 | true | 10 |
| 15 | 30 | true | 15 |
| 20 | 30 | true | 20 |
| 25 | 30 | true | 25 |
| 30 | 30 | false | 30 |
|  |  |  |  |

int i = 10, num = 30;

do {

System.out.println(i);

i = i + 5;

} while(i < num);

|  |  |  |  |
| --- | --- | --- | --- |
| i | num | (i < num) | Console |
| 10 | 30 | true | 10 |
| 15 | 30 | true | 15 |
| 20 | 30 | true | 20 |
| 25 | 30 | true | 25 |

int i = 0;

while (i < 3) {

if (i == 0) {

System.out.println(“zero”);

} else {

System.out.println(i);

}

i += 1;

}

|  |  |  |  |
| --- | --- | --- | --- |
| i | i<3 | i==0 | Console |
| 0 | true | true | zero |
| 1 | true | false | 1 |
| 2 | true | false | 2 |
| 3 | false |  |  |