| **part** |  |  |
| --- | --- | --- |
| begin | i = 0 | Executes once upon entering the loop. |
| condition | i < 3 | Checked before every loop iteration. If false, the loop stops. |
| body | alert(i) | Runs again and again while the condition is truthy. |
| step | i++ | Executes after the body on each iteration. |

**Øvelse 1:**

int max = 100;  
int value = 10;  
for(int i = 0; i <10; i++){  
 int temperatur = i\*value;  
 if(i\*value < max){  
 System.*out*.println(temperatur);  
 }else{  
 System.*out*.println("Vandet koger");  
 }  
  
}

|  |  |
| --- | --- |
| Iteration (i) | temperatur |
| 0 |  |
|  |  |
|  |  |
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**Øvelse 2:**

int count = 7;  
int num1 = 0;  
int num2 = 1;  
System.*out*.print("Fibonacci Series of "+count+" numbers:");  
  
for (int i = 1; i <= count; ++i)  
{  
 System.*out*.print(num1+" ");  
 */\* On each iteration, we are assigning second number  
 \* to the first number and assigning the sum of last two  
 \* numbers to the second number  
 \*/* int sumOfPrevTwo = num1 + num2;  
 num1 = num2;  
 num2 = sumOfPrevTwo;  
}

|  |  |  |  |
| --- | --- | --- | --- |
| Iteration (i) | num1 | num2 | sumOfPrevious |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
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