

Programming Fundamental

JS

Exploring

#5 Looping

While Loop

```
var angka = 1;  
  
while(angka <=10){  
    console.log(angka);  
    angka++;  
}
```

Do While Loop

```
var angka = 1;  
  
do{  
    console.log(angka);  
    angka++;  
} while(angka <=10) ;
```

For Loop

```
var x;
```

```
for(x=1; x<=10; x++){  
    console.log(x);  
}
```

Solve It!

Administrator: C:\Windows\system32\cmd.exe

```
D:\Purwadhika>node aku.js
```

```
Nomor urut 1
```

```
Nomor urut 2
```

```
Nomor urut 3
```

```
Nomor urut 4
```

```
Nomor urut 5
```

```
Nomor urut 6
```

```
Nomor urut 7
```

```
Nomor urut 8
```

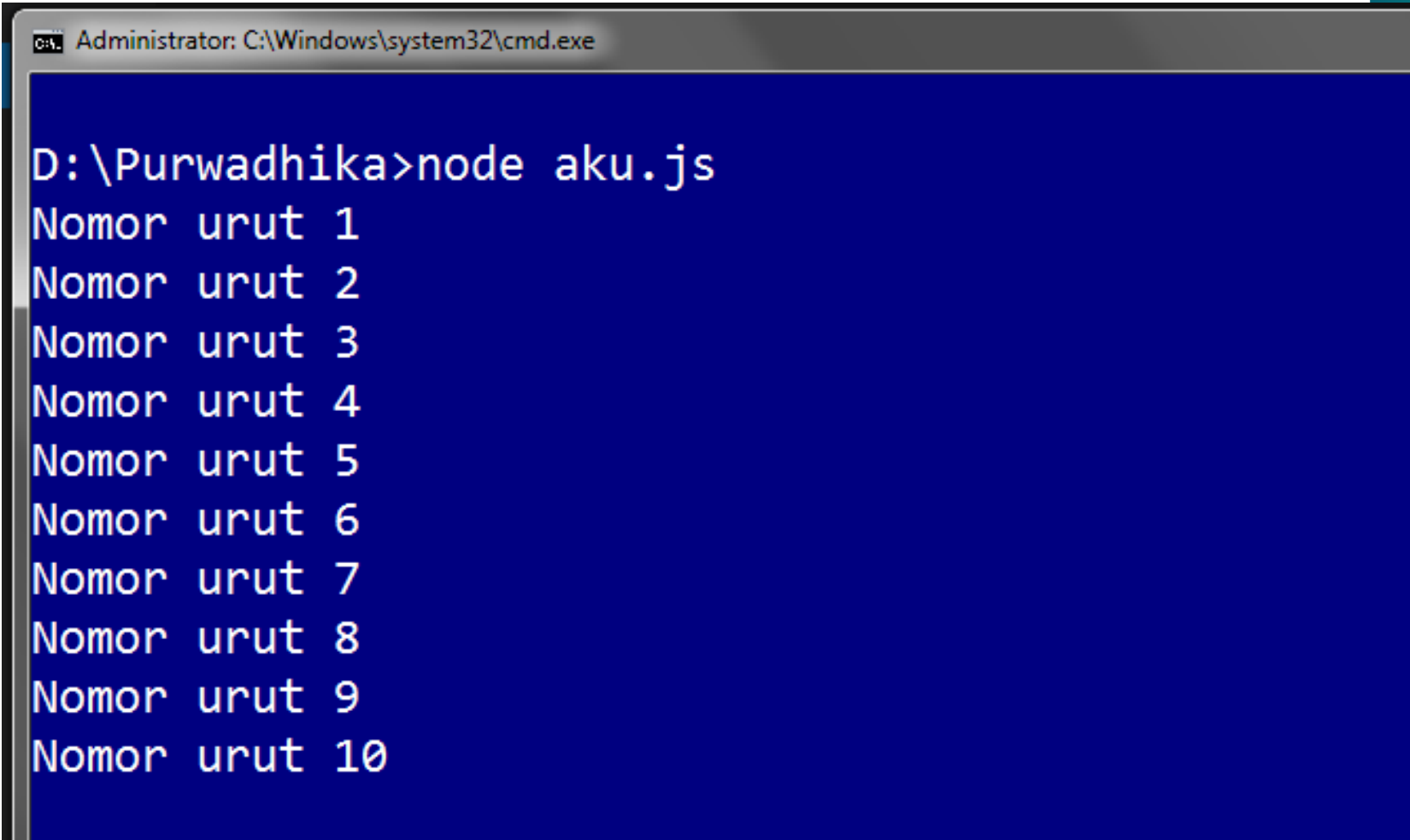
```
Nomor urut 9
```

```
Nomor urut 10
```

```
D:\Purwadhika>
```

Solved!

```
var y = 'Nomor urut ';  
for(let x=1; x<=10; x++){  
  console.log(y + x);  
}
```



The screenshot shows a Windows command prompt window titled "Administrator: C:\Windows\system32\cmd.exe". The prompt is at "D:\Purwadhika>". The command "node aku.js" has been entered and executed. The output of the script is displayed as ten lines, each showing "Nomor urut" followed by a number from 1 to 10.

```
Administrator: C:\Windows\system32\cmd.exe  
  
D:\Purwadhika>node aku.js  
Nomor urut 1  
Nomor urut 2  
Nomor urut 3  
Nomor urut 4  
Nomor urut 5  
Nomor urut 6  
Nomor urut 7  
Nomor urut 8  
Nomor urut 9  
Nomor urut 10
```

Solve It! #13

Administrator: C:\Windows\system32\cmd.exe

```
D:\>node zzz.js
```

```
Nomor urut 0
```

```
Nomor urut 2
```

```
Nomor urut 4
```

```
Nomor urut 6
```

```
Nomor urut 8
```

```
Nomor urut 10
```

```
Nomor urut 12
```

```
Nomor urut 14
```

```
Nomor urut 16
```

```
Nomor urut 18
```

```
Nomor urut 20
```

```
D:\>_
```

Solved!

```
var y = ' Nomor urut ';  
for(let x=0; x<=20; x+=2){  
    console.log(y + x);  
}
```

Administrator: C:\Windows\system32\cmd.exe

```
D:\>node zzz.js
```

```
Nomor urut 0
```

```
Nomor urut 2
```

```
Nomor urut 4
```

```
Nomor urut 6
```

```
Nomor urut 8
```

```
Nomor urut 10
```

```
Nomor urut 12
```

```
Nomor urut 14
```

```
Nomor urut 16
```

```
Nomor urut 18
```

```
Nomor urut 20
```

```
D:\>_
```


Solve It! #14

C:\> Administrator: C:\Windows\system32\cmd.exe

D:\>node zzz.js

Nomor urut 1

Nomor urut 3

Nomor urut 5

Nomor urut 7

Nomor urut 9

Nomor urut 11

Nomor urut 13

Nomor urut 15

Nomor urut 17

Nomor urut 19

D:\>

Solved!

```
var y = ' Nomor urut ';  
for(let x=1; x<=20; x+=2){  
    console.log(y + x);  
}
```

Administrator: C:\Windows\system32\cmd.exe

```
D:\>node zzz.js
```

```
Nomor urut 1
```

```
Nomor urut 3
```

```
Nomor urut 5
```

```
Nomor urut 7
```

```
Nomor urut 9
```

```
Nomor urut 11
```

```
Nomor urut 13
```

```
Nomor urut 15
```

```
Nomor urut 17
```

```
Nomor urut 19
```

for Loop Drawing

```
let z="";  
for (let i=0;i<5;i++){  
    z += ' * '  
}  
console.log(z)
```

Administrator: C:\Windows\system32\cmd.exe

```
D:\Purwadhika>node aku.js
```

```
* * * * *
```

for Loop Drawing

```
let z='';  
for (let i=0;i<5;i++){  
    z += ' * ' + '\n'  
}  
console.log(z)
```

C:\> Administrator: C:\Windows\system32\cmd.exe

D:\Purwadhika>node aku.js

*

*

*

*

*

Solve It! #15

C:\> Administrator: C:\Windows\system32\cmd.exe

```
D:\Purwadhika>node aku.js
```

```
*   *   *   *   *  
*   *   *   *   *  
*   *   *   *   *  
*   *   *   *   *  
*   *   *   *   *
```

for Loop Drawing

```
let z="";  
for (let i=0; i<5; i++){  
    for (let j=0; j<5 ;j++){  
        z += ' * '  
    }  
    z += '\n'  
}
```

```
console.log(z)
```

Solve It! #16

Administrator: C:\Windows\system32\cmd.exe

```
D:\Purwadhika>node aku.js
```

```
*  
*  *  
*  *  *  
*  *  *  *  
*  *  *  *  *
```

Solve It! #17

```
Administrator: C:\Windows\system32\cmd.exe

D:\Purwadhika>node aku.js

*   *   *   *   *
*   *   *   *
*   *   *
*   *
*
```


Solve It! #18

```
Administrator: C:\Windows\system32\cmd.exe

D:\Purwadhika>node aku.js

*   *   *   *   *
*   *   *   *
*   *   *
*   *
*
*   *
*   *   *
*   *   *   *
*   *   *   *   *
```

Solve It! #19

C:\> Administrator: C:\Windows\system32\cmd.exe

```
D:\Purwadhika>node aku.js
```



Solve It! #20

Administrator: C:\Windows\system32\cmd.exe

```
D:\Purwadhika>node aku.js
```

```
* * * * * * * * * * * * * * * * * *
 * * * * * * * * * * * * * * * *
  * * * * * * * * * * * * * * *
   * * * * * * * * * * * * *
    * * * * * * * * * * * *
     * * * * * * * * * * *
      * * * * * * * * * *
       * * * * * * * * *
        * * * * * * * *
         * * * * * * *
          * * * * * *
           * * * * *
            * * * *
             * * *
              * *
               *
```

Solve It! #21

```
Administrator: C:\Windows\system32\cmd.exe

D:\Purwadhika>node aku.js

      *
    * * *
  * * * * *
* * * * * *
* * * * * *
  * * * * *
    * * *
      *
```

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#5 Looping