

Java Script

Practical Iteration

Example 1: Write a program to print 0 to 9 using while loop?

```
<html>
<body>
<script type="text/javascript">
let count = 0;
document.write("Starting Loop ");
while (count < 10){
  document.write("Current Count : " + count + "<br />");
  count=count+1;
}
document.write("Loop stopped!");
</script>
</body>
</html>
```

Example 2: Write a program to print 10 to 1 using while loop?

```
<html>
<body>
<script type="text/javascript">
let count = 10;
document.write("Starting Loop ");
while (count >=1){
  document.write("Current Count : " + count + "<br />");
  count=count-1;
}
document.write("Loop stopped!");
</script>
</body>
</html>
```

Example 3: Write a program to print 0 to 5 using do-while loop?

```
<html>
<body>
<script type="text/javascript">
let count = 0;
document.write("Starting Loop" + "<br />");
do{
  document.write("Current Count : " + count + "<br />");
  count++;
}while (count <= 5);
document.write ("Loop stopped!");
</script>
</body>
</html>
```

Example 4: Write a program to print 5 to 0 using do-while loop?

```
<html>
<body>
<script type="text/javascript">
let count = 5;
document.write("Starting Loop" + "<br />");
do{
  document.write("Current Count : " + count + "<br />");
  count--;
}while (count >= 0);
document.write ("Loop stopped!");
</script>
</body>
</html>
```

Example 5: Write a program to print 1 to 10 using for loop?

```
<html>
<body>
<script type="text/javascript">
let count;
document.write("Starting Loop" + "<br />");
for(count = 1; count <=10; count++){
  document.write("Current Count : " + count );
  document.write("<br />");
}
document.write("Loop stopped!");
</script>
</body>
</html>
```

Example 6: Write a program to print 10 to 1 using for loop?

```
<html>
<body>
<script type="text/javascript">
let count;
document.write("Starting Loop" + "<br />");
for(count =10; count >=1; count--){
  document.write("Current Count : " + count);
  document.write("<br />");
}
document.write("Loop stopped!");
</script>
</body>
</html>
```

Example 7: Write a program to print even numbers from 0 to 100 using for loop?

```
<html>
<body>
<script type="text/javascript">
let count;
document.write("Starting Loop" + "<br />");
for(count=0; count<=100; count+=2){
  document.write("Current Count : " + count);
  document.write("<br />");
}
document.write("Loop stopped!");
</script>
</body>
</html>
```

Example 8: Write a program to print odd numbers from 99 to 1 using while loop?

```
<html>
<body>
<script type="text/javascript">
let count = 99;
document.write("Starting Loop ");
while (count >=1){
  document.write("Current Count : " + count + "<br />");
  count=count-2;
}
document.write("Loop stopped!");
</script>
</body>
</html>
```

Example 9: Write a program to calculate 2^{10} (2 to the 10th power)?

```
<html>
<body>
<script type="text/javascript">
let count = 0;
let Result=1;
while(count<10){
    Result=Result*2;
    count=count+1;
}
document.write("Result is : " + Result + "<br />");
</script>
</body>
</html>
```

Example 10: Write a program to print Sum of N numbers using for loop?

```
<html>
<body>
<script type="text/javascript">
    let sum=0,count;
    let num=Number(prompt("Enter any Number"))
    for(count=1; count<=num; count++)
    {
        sum=sum+count;
    }
    document.write(`Sum Of This Number ${num} is: ${sum}`);
</script>
</body>
</html>
```

Example 11: Write a program to print till N odd Numbers using while loop?

```
<html>
<body>
<script type="text/javascript">
  let sum=0,count=1;
  let num=Number(prompt("Enter any Number"))
  while(count<=num)
  {
    document.write(`odd Numbers is: ${count} `+ "<br/>");
    count=count+2;
  }
</script>
</body>
</html>
```

Example 12: Write a program to print till N even Numbers using do while loop?

```
<html>
<body>
<script type="text/javascript">
  let sum=0,count=0;
  let num=Number(prompt("Enter any Number"))
  do{
    document.write(`Even Numbers is: ${count} `+ "<br/>");
    count=count+2;
  }
  while(count<=num)
</script>
</body>
</html>
```

Example 13: The following example illustrates the use of a break statement with a while loop:

```
<html>
<body>
<script type="text/javascript">
let x = 0;
while (x < 20)
{
  if (x == 5){
    break; // breaks out of loop completely
  }
  x = x + 1;
  document.write( x + "<br />");
}
</script>
</body></html>
```

Example 14: The following example illustrates the use of a Continue statement with a while loop:

```
<html>
<body>
<script type="text/javascript">
let x = 1;
while (x < 10)
{
  x = x + 1;
  if (x == 5){
    continue; // skip rest of the loop body
  }
  document.write( x + "<br />");
}
</script>
</body></html>
```

Example 15: Using JavaScript switch statement to get the day of the week

```
<script>
let day = 3;
let dayName;
switch(day)
{
    case 1:
        dayName="Sabti";
        break;
    case 2:
        dayName="Axad";
        break;
    case 3:
        dayName="Isnin";
        break;
    case 4:
        dayName="Talaado";
        break;
    case 5:
        dayName="Arbaco";
        break;
    case 6:
        dayName="Khamis";
        break;
    case 7:
        dayName="Jimco";
        break;
    default :
        dayName="Invalid Day";
        break;
}document.write("Manta waa ",dayName);
</script>
```