

2/25/2021 Review Quiz for Repetition

1. How many times loop will be executed in following scenarios?

```
for(let i=0; i>10; i++){  
    console.log(i);  
}
```

```
for(let i=0; i<=10; i--){  
    console.log(i);  
}
```

```
let i =1;  
while(i<10){  
    console.log(i);  
}
```

```
let i =1;  
while(i<10){  
    console.log(i);  
    i--;  
}
```

2. What will be the output of running following code?

```
for(let i=1; i<10; i++){  
    if(i%3===0) break;  
    console.log(i);  
}
```

```
for(let i=1; i<10; i++){  
    if(i%3===0) continue;  
    console.log(i);  
}
```

3. Write a defining table and JavaScript program to check whether a number is Perfect number or not?

*Perfect number* is a positive integer which is equal to the sum of its proper positive divisors.

For example: 6 is the first perfect number

Proper divisors of 6 are 1, 2, 3

Sum of its proper divisors =  $1 + 2 + 3 = 6$ .

Hence 6 is a perfect number.