

JAVASCRIPT ASSIGNMENT

Q2:- Explain the following code:

```
var add=function( ){  
    var counter=0;  
    return function() { return counter+=1; }  
})();  
add();  
add();  
add();
```

Sol:- In the above code, the return value of a self invoking function is assigned to a variable add. When we make first call to add, the self-invoking function sets the value of variable counter to 0 and will return a function expression. As per the javascript closure, add will now become a function and can access the variable counter in its parent scope. Therefore, at second and third call to add the variable counter will have value 1 and 2 respectively and the function will return values 2 and 3 respectively.

```
add() // counter=1  
add() // counter=2  
add() // counter=3
```

Hence, the value of counter after this program will be 3.

Q3:- Difference between /n and /r.

Sol:- /r stands for "Carriage Return" and /n stands for "Line Feed".

/n is used to advance the pointer to new line while /r advances us to move to the leftmost position of the line.