

1)write a JavaScript program to print a 3x3 matrix and then convert it into a transposed matrix.

code:-

```
rows = +prompt("Enter no of rows: ")
cols = +prompt("Enter no of columns: ")
matrix=[]
for(i=1;i<=rows;i++){
    sub=[]
    for(j=1;j<=cols;j++){
        console.log("Enter "+i+" "+j+" element: ")
        ele=+prompt()
        sub.push(ele)
    }
    matrix.push(sub)
}
matrix2 = []
for(i=1;i<=rows;i++){
    {
        sub2=[]
        for(j=1;j<=cols;j++){
            {
                a = [j][i]
                sub2.push(a)
            }
        }
        matrix2.push(sub2)
    }
}
console.log(matrix2)
```