**LAB 02**

**ENCRYPT:**

function ordA(a) {

return a.charCodeAt(0) - 65;

}

function vigenere(text, key) {

var i = 0, b;

key = key.toUpperCase().replace(/[^A-Z]/g, '');

return text.toUpperCase().replace(/[^A-Z]/g, '').replace(/[A-Z]/g, function(a) {

b = key[i++ % key.length];

return String.fromCharCode(((ordA(a) + (ordA(b))) % 26 + 65));

});

}

var enc = vigenere("wearediscovered","deceptive");

console.log(enc);

**OUTPUT:**



**DECRYPT:**

function ordA(a) {

return a.charCodeAt(0) - 65;

}

function vigenere(text, key) {

var i = 0, b;

key = key.toUpperCase().replace(/[^A-Z]/g, '');

return text.toUpperCase().replace(/[^A-Z]/g, '').replace(/[A-Z]/g, function(a) {

b = key[i++ % key.length];

return String.fromCharCode(((ordA(a) + (26 - ordA(b) )) % 26 + 65));

});

}

var denc = vigenere("ZICVTWQNGRZGVTW","deceptive");

console.log(denc);

**OUTPUT:**

