**CS ACTIVITY FORM**

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| **Student Name** | DE VERA, CHRISTIAN | | **Year & Section** | | BSCS-2D | | **Activity No.** | LQ2\_DSA | |
| **Class Instructor** | | **CO Pascua** | **Class Subject** | DSA | | **Class Schedule** | | |  | |

1. **Code Transformation**

**I.1 Convert the following Conditional Statement into Conditional Ternary:**

**A:**

(age >= 18 && genAverage >= 83)

    ? console.log(`You may enter College, under BSCS Program`):

    console.log(`Both conditions may have not met and not allowed to enroll`);

**B:**

(subject === "DSA" && grade >= 80)

    ? console.log('You may enroll Application Development')

    : (subject === "Math101" && grade <= 80)

        ? console.log('You may enroll Calculus')

        : console.log("You have to enroll DSA and pass to enroll AD and Math101 and pass to enroll Calculus");

**I.2 Convert the following Conditional Ternary into Regular Conditional Statement:**

**A:**

if (age >= 18) {console.log(`You may now Register as a Voter for Elections 2025`);}

 else {console.log("You are too young register as a voter for Elections 2025");}

**B:**

if (genAverage >= 85) {console.log("You may enroll in all Course Programs");}

else if (genAverage < 85 && genAverage > 82) {console.log("You may enroll in any Course Program except in CTE, SCJE, CHS");}

else {console.log("You may enroll in any Course Program except CTE, SCJE, CHS, CCS");}

**I.3 Convert the following for loop into while loop:**

**A:**

let fname = "Jose Cruz";

let i = 0;  // Needed to define this cuz we no longer using for loop

while (fname.length > i) {

    let c = 2 + i; //I dont what this line and the other two of the code is for this would work without it

    let nLengthCounterTwo = fname.length - c;

    console.log(fname);

    console.log("Iterations Name was Printed: " + i);

    i++;  // Increment to end the loop eventuallyf

}

1. **Code Snippet**

uName = prompt("Register your Username");

pWord = prompt("Register your passcode");

rePword = prompt("Re-enter your passcode");

if(Pword == rePword) { // I removed almost every comment came from the module cuz it’s hard to see the code properly -DeVera

    alert("Successfully Registered");

    let loginName= prompt("Username: ");

    if (loginName == uName){

        let loginPassword = prompt("Password: ");

        (loginPassword == pWord) ? alert("Welcome to DSA, " + uName) : alert("Incorrect Password, Re-run the code!"); //just if but shorter

} else {alert("Incorrect Username, Re-run the code!");}

} else {alert("Password does not Match, Re-run the code!");}