



### CS ACTIVITY FORM

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Class Instructor	<u>CO Pascua</u>	Class Subject	<u>DSA</u>	Class Schedule	<u></u>

#### Activity Proper:

##### I. Code Transformation

###### 1) 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.");
```

###### 1) b.

```
(subject === 'DSA' && grade >= 80) ? console.log('You may enroll Aplication 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');
```

###### 2) a.

```
if (age >= 18){  
    console.log('You may now register as a voter in Election 2025');  
} else {  
    console.log('You are too young to register as a voter for Elections 2025');  
}
```

###### b.

```
if (genAverage >= 85){  
    console.log('You may enroll in all course program.');
```

```
} else if (genAverage < 85 && genAverage > 82){  
    console.log('You may enroll in all programs except in CTE, SCJE, CHS.');
```

```
} else{  
    console.log('You may enroll is all course program except in CTE, SCJE, CHS, CSS.');
```

```
}
```

###### 3) a.

```
let fname = 'Jose Cruz';  
  
let i = 0;
```



```
while (i < fname.length){  
    let c = 2 + i;  
    let nLengthCounterTwo = fname.length - c;  
    console.log(fname);  
    console.log('Iterations Name was Printed' +i);  
    i++;  
}
```

## II. Code Snippet

**Fill in the blanks. Complete the source code from the given code.**

```
var uname = prompt('Please enter your username: '); //declare a var that will hold the uname, use a user input method  
var pword = prompt('Please enter your registered passcode: '); //declare a var that will hold the pword, use a user input method  
var re_pword = prompt('Please re-enter your passcode'); //declare a variable that will hold the re-pword, use a user input method  
  
if (pword === re_pword){ //compare the Registered Password and Re-entered Password  
    alert('Congratulations! You have successfully registered.');//window Pop-up to Congratulate the user for registering.  
    let login = prompt('Username: '); //declare a variable that will hold the uname on Login  
    if(login === uname){ //compare the registered uname and entered uname on Login  
        let input = prompt('Password: '); //if correct uname, declare a var that will hold the encoded password on Login  
        (pword === input) //compare the registered pword and entered pword on Login  
        ? alert('Welcome to DSA,'+ uname) //window Pop-up to Congratulate the user for successful Login.  
        : alert('Incorrect Password, Re-run the code!');//window Pop-up to Inform the user of the incorrect passcode  
    } else{  
        alert('Incorrect Username, Re-run code!');//window Pop-up to Inform the user of the incorrect  
        username regpCode and re-entered pCode does not match  
    }  
} else {  
    alert('Password does not match, re-run the code!') //window Pop-up to Inform the
```