

Testing Practical Task 2019

Kindly note that you are requested to do the following:

- 1-Implement a program (using any lang.) that accepts a simple piece of code (function not more than 10 lines of code) as an input and displays test cases from it as an output.
- 2-The displayed test cases should be extracted based on the conditions and loops (For, While,) in this piece of code.
- 3- The extracted test cases should be covering each condition and loop in the code.
- 4-The pseudo code will include the following keywords: Read, Print, IF, End IF , Else, For, While, Do while
- 5-The extracted test cases should be written in the following format:

For example, if we have division function as an input, the output should be:

Test case 1: Check if the dominator is 0

Expected result: Display an error message "You can't divide by zero"

Test Case 2: Check if the dominator is not 0

Expected result: Display the result $Z=X/Y$ (display what is in the else condition)

- 6-You should apply the boundary testing and the conditional testing.
- 7- Your code should allow me to enter any values to execute the test case(s).
- 8-Your program should be dynamic which means it accepts any piece of code.

Sample 1:

```
public int FindMax()
{
    Int num1, int num2
    int result;
    If (num1 > num2)
        result = num1;
    else
        result = num2;
    return result;
```

}

Sample test case: (the following is only sample, just give me samples to cover all possible scenarios, test case for positive scenarios and test case for negative scenarios and test case for zero scenarios)

1-Test Case 1 (for positive scenarios):

IF Input is Num1=3, Num2=5

So, Output: 5

And so on ...

Sample 2:

```
int num1,res, i;
```

```
num1 = 1;
```

```
i = 1;
```

```
while (i <= 10)
```

```
{
```

```
    res = num1 * i;
```

```
    i++;
```

```
}
```

```
Return res;
```

1-Test Case 1 (boundary scenario):

IF Input is Num1=5, i=10

So, Output is res= 50

And So On ...