

---

## Table of Contents

|                                    |   |
|------------------------------------|---|
| .....                              | 1 |
| .....                              | 1 |
| INITIALIZATION .....               | 1 |
| .....                              | 1 |
| CALCULATIONS .....                 | 1 |
| .....                              | 2 |
| OUTPUTS .....                      | 2 |
| .....                              | 2 |
| ACADEMIC INTEGRITY STATEMENT ..... | 2 |

```
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
% ENGR 133
% Program Description
% calculate the bunary sum when user inputs 1 or 0
%
% Assignment Information
%   Assignment:      Ma2 Task 4
%   Author:         Yolanda, chen3633@purdue.edu
%   Team ID:        LC1-15
%   Contributor:    Name, login@purdue [repeat for each]
%   My contributor(s) helped me:
%       [ ] understand the assignment expectations without
%           telling me how they will approach it.
%       [ ] understand different ways to think about a solution
%           without helping me plan my solution.
%       [ ] think through the meaning of a specific error or
%           bug present in my code without looking at my code.
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
```

---

## INITIALIZATION

---

## CALCULATIONS

```
x = input('enter a binary number of 1 or 0: ');

x2 = input('enter a second binary number of 1 or 0: ');
switch true
    case x ~= 0 && x ~= 1
        disp("error")
```

---

```
end

switch true
    case x2 ~= 0 && x2 ~= 1
        disp("error")

end

if x== 0
    if x2 == 0
        disp("Binary Sum = 00")
    elseif x2 == 1
        disp('Binary Sum = 10')
    end
end

if x == 1
    if x2 == 0
        disp("Binary Sum = 10")
    elseif x2 == 1
        disp("Binary Sum = 01")
    end
end

end

Error using input
Cannot call INPUT from EVALC.

Error in ENGR133_MATLAB_Template (line 27)
x = input('enter a binary number of 1 or 0: ');
```

---

## OUTPUTS

---

## ACADEMIC INTEGRITY STATEMENT

I have not used source code obtained from any other unauthorized source, either modified or unmodified. Neither have I provided access to my code to another. The project I am submitting is my own original work.

*Published with MATLAB® R2020b*