PROBLEM-2 **Hetvi Shah**
topic:$tan(x)$ **40089272**

Requirements

1. **First Requirement**
   - **ID =** FR1
   - **Type =** Functional Requirements
   - **Version =** 1.0
   - **Difficulty =** Easy
   - **Description =** 2. System shall take an input x to give an output of tan(x) function.
     Example :for $x = 60$, $tan(x) = 1.73$
2. **Second Requiremnt**
   - **ID =** FR2
   - **Type =** Functional Requirements
   - **Version =** 1.0
   - **Difficulty =** Easy
   - **Description =** $tan(x)$ function depends of sine and cosine function.
     $tan(x) = \frac{sin(x)}{cos(x)}$
3. **Third Requirement**
   - **ID =** FR3
   - **Type =** Functional Requirements
   - **Version =** 1.0
   - **Difficulty =** Easy
   - **Description =** User shall give an input from all real numbers which are Radian.

4. **Fourth Requirement**

   - **ID =** FR4
   - **Type =** Functional Requirements
   - **Version =** 1.0
   - **Difficulty =** Easy
   - **Description =** when user gives other input then integer that is string then system shall not accept and should show input not properly defined.

5. **Fifth Requirement**

   - **ID =** FR5
   - **Type =** Functional Requirements
   - **Version =** 1.0
   - **Difficulty =** Easy
   - **Description =** When user gives values that is $90°, 270°, -90°, -270°$ . . . an error message will be thrown.