**Requirements**:

For further void check Academics( double Mmarks, double Fmarks)

* If marks of metric of person are equal to 50% and marks of FSC is 60%then person is not clear.
* If marks of metric less than 50% and and marks of FSC is are 60% then person is not clear.
* If marks of metric are equal to 50% and marks of FSC are 60% then person is clear.
* If marks of metric are greater than 50% and less than 100% and marks of FSC are greater than 60% and less than 100% the person is clear.

C1: Mmarks = 50%

C2: Mmarks <50%

C3: Mmarks>50% and Mmarks <=100%

C4: Fmarks = 60%

C5: Fmarks<60%

C6: Fmarks>60% and Fmarks <=100%

E1:Clear

E2:Not Clear.

**Graph:**

**C1 AND E1**

**C2 AND**

**C3**

**C4 AND**

**C5 E2**

**C6 AND**

**Decision Table**

|  |  |  |
| --- | --- | --- |
| **Condition/Cause** | **C1(Mmarks=50%)** | **1010** |
| **Condition/Cause** | **C2(Mmarks<50%)** | **0001** |
| **Condition/Cause** | **C3(Mmarks>50%andMmarks<=100%)** | **0100** |
| **Condition/Cause** | **C4(Mmarks=60%)** | **1001** |
| **Condition/Cause** | **C5(Fmarks<60%)** | **0010** |
| **Condition/Cause** | **C6(Fmarks>60%andFmarks<=100%)** | **0100** |
| **Action/Effort** | **E1 Clear** | **xx--** |
| **Action/Effort** | **E2 not Clear** | **--xx** |

**Test Cases**

|  |  |  |  |
| --- | --- | --- | --- |
| **Test Cases** | **Mmarks** | **Fmarks** | **ExpectedOutPut** |
| **1** | **60** | **105** | **Not Clear** |
| **2** | **70** | **48** | **Not Clear** |
| **3** | **110** | **85** | **Not Clear** |
| **4** | **35** | **66** | **Not Clear** |
| **5** | **102** | **103** | **Not Clear** |
| **6** | **40** | **20** | **Not Clear** |
| **7** | **115** | **30** | **Not Clear** |
| **8** | **10** | **118** | **Not Clear** |
| **9** | **75** | **65** | **Clear** |

* **We used the EQP technique to find out the test cases because in EQP we can guess the input by knowing the output of the cause we can test the every possible output of corresponding input as in this case we applied the strong robust EQP technique to find every possible teat case to test the function properly.**
* **While in BVA we do not have any idea that if we give input than what will be the output of that we provided, We can not guess the expected output in this case.**