**PAC**

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| **GIVEN DATA** | **REQUIRED RESULT** |
| * 5 CARD NUMBER ENTERED BY THE USER WITH VALUED BETWEEN 1-13 | * DISPLAY WHETHER THE 5 CARDS FORM A FULL HOUSE OR NOT |
| **PROCESSING REQUIRED** | **SOLUTION ALTERNATIVES** |
| * Store the first card as rank1 and set its count to 1. * Compare the next four cards one by one with rank1. * If a card matches rank1 increase rank1 count. * If a card does not match rank1, check if rank2 is already chosen. * If rank2 is not chosen yet assign this card as rank2 and set its count to 1. * If rank2 is already chosen and matches increase rank2 count. * After all cards are checked, decide if the counts are **3 and 2** in any order. | * LOOPS COULD BE USED * ARRAYS COULD BE USED |

**IPO**

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| **INPUT** | **PROCESSING** | **OUTPUT** |
| * 5 CARD NUMBER ENTERED BY THE USER WITH VALUED BETWEEN 1-13 | * Assign the first card to **rank1**, set its count to 1. * Check each of the remaining four cards: * If it equals **rank1**, increase rank1’s count. * Otherwise, check or assign it to **rank2**, then increase rank2’s count. * After all five cards are checked, verify if the counts are **3 and 2** | * DISPLAY WHETHER THE 5 CARDS FORM A FULL HOUSE OR NOT |