

A-1.

Pseudocode:

Step 1: Start.

Step 2: Take input from user for

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Step 1: Start.

Step 2: Take roll numbers of student who plays cricket, badminton, football as input.

Step 3: Initialize 4 lists.

Step 4: Define union function:

append all inputs in list.

delete duplicate entries.

Step 5: Define intersection function:

Pass cricket & badminton list as parameters.

If element in both list:

it.append(element).

Step 6: def cricket-badminton (c, b):

If element p in c & b:

skip element.

else:

it.append(element)

Step 7: Display a Menu; according to user choice call particular function.