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**Subject-Applied Problem Solving (APS-145)**

**Group-3 Member-6**

**STONE, PAPER, SCISSOR (PSEUDOCODE)(LOGIC-3)**

- 1) Start the game.
- 2) Initialize the game with defining the objects for computer.
  - 1 = Rock
  - 2 = Paper
  - 3 = Scissor
- 3) Display to user "Rock, Paper, Scissors" with below defined hand signals for 3 seconds.
  - Rock: Represented by a hand making a "fist" shape.
  - Paper: Represented by a straight open flat hand.
  - Scissors: Represented by spreading the index and 2nd finger apart (mocking scissors).
- 4) Choice given to player for selection of any one hand signal from 3 signal.
- 5) Generate random selection for computer from 1 to 3.
- 6) Display the countdown animation for 5 seconds.
- 7) Start matching the selection of both the players (User and Computer).
  - IF User selection is 'Rock' and computer selection is also 'Rock'.
    - Then match declared 'Tie' and restart the game.
  - IF User selection is 'Rock' and computer selection is 'Paper'.
    - Then match win by computer and display 'Computer is winner'.
  - IF User selection is 'Rock' and computer selection is 'Scissor'.
    - Then match win by user and display 'User is winner'.
  - IF User selection is 'Paper' and computer selection is also 'Paper'.
    - Then match declared 'Tie' and restart the game.
  - IF User selection is 'Paper' and computer selection is 'Scissor'.
    - Then match win by computer and display 'Computer is winner'.
  - IF User selection is 'Paper' and computer selection is 'Rock'.
    - Then match win by user and display 'User is winner'.
  - IF User selection is 'Scissor' and computer selection is also 'Scissor'.
    - Then match declared 'Tie' and restart the game.
  - IF User selection is 'Scissor' and computer selection is 'Rock'.
    - Then match win by computer and display 'Computer is winner'.
  - IF User selection is 'Scissor' and computer selection is 'Paper'.
    - Then match win by user and display 'User is winner'.
- 8) END