**Game:** If you have to use coins of 1 and 2 only.There are two player each can play one after another. The game is to make a stack of coins those who play for sum of coin 10 is the winner. E.G:

Player 1 Player 2 Sum

1 1

2 3

1 4

1 5

2 7

1 8

2 10 (Now sum is 10 and this is made by the player 1 hence player 1 is winner).

NOTE: Strategy to win: Observe the player who make 7 is winner. Now to make (definitely) 7 the player must have to make 4. similarly by recurrsive the player who make 1 is winner. Hence winning startegy is to play first and make 1 hence after that just play opposite of the other player.