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| Program  6.4 | Write a program for a match-stick game between the computer and a user. Your  Program should ensure that the computer always wins. Rules for the games are as  follows:  ● There are 21 match-sticks.  ● The computer asks the player to pick 1, 2, 3, or 4 match-sticks.  ● After the person picks, the computer does its picking.  ● Whoever is forced to pick up the last match-stick loses the  game. Use while loop, break and Continue Statements. |
| Algorithm: | **Step 1**: Start  **Step 2**: Declare comp, sum=0, user  **Step 3**: if sum<21 go to step 4 else go to step 9  **Step 4**: user pick stick 1,2,3or 4  **Step 5**: comp=5-user  **Step 6**: sum=21-comp-user  **Step 7**: if sum=1 go to step 8 else go to step 3  **Step 8**: Print Computer Wins  **Step 9**: End |

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| Flowchart: |  |
| Code: |  |
| Output: |  |
| Question  Answer? | What is the significance of using break and continue statement ?  • The break statement is used to terminate the loop immediately.  • The continue statement is used to skip the currennt iteration of the loop. |