DECLARE NoOfPlayers: INTEGER

REPEAT

OUTPUT “Enter the number of players taking part in the round”

INPUT NoOfPlayers

UNTIL NoOfPlayers=2 OR NoOfPlayers=3 OR NoOfPlayers=4

UNTIL NoOfPlayers >1 AND NoOfPlayers<=4 //another method

DECLARE Name: ARRAY[1:NoOfPlayers] OF STRING

FOR i = 1 TO NoOfPlayers

OUTPUT “Enter the name of the player ”, i

INPUT Name[i]

INPUT Player //another method

Name[i] 🡨 Player //another method

NEXT

DECLARE NoOfHoles: INTEGER

REPEAT

OUTPUT “Enter the number of holes to be played”

INPUT NoOfHoles

UNTIL NoOfHoles=9 OR NoOfHoles=18

DECLARE Par:INTEGER

OUTPUT “Enter the par for the course”

INPUT Par

OUTPUT “1. The number of players taking part in the round”, NoOfPlayers

OUPUT “2. The names of the players”

FOR i=1 TO NoOfPlayers

OUTPUT Name[i]

NEXT

OUTPUT “3. The number of holes to be played”, NoOfHoles

OUTPUT “4. The par for the course”, Par

REPEAT

OUTPUT “is the data correct?”

INPUT Ans

IF Ans =’N’ THEN

OUTPUT “Enter the menu no”

INPUT No

CASE No of

1: OUTPUT “Enter the revised no. of players”

INPUT NoOfPlayers

2: OUTPUT “Enter revised names of players”

FOR i=1 TO NoOfPlayers

INPUT Name[i]

NEXT

3: OUTPUT “Enter the revised number of holes to be played”

INPUT NoOfHoles

4: OUTPUT “Enter the revised data for Par”

INPUT Par

UNTIL Ans=’Y’

FOR i = 1 TO NoOfHoles

Player1[i]=0

Player2[i]=0

Player3[i]=0

Player4[i]=0

NEXT

Task2

Total1🡨0

Total2 🡨0

Total3🡨0

Total4🡨0

FOR i 🡨 1 TO NoOfHoles

OUTPUT "Enter the no. of strokes for the Hole - ", i+1)

OUTPUT “Enter the score for Name[1]”

INPUT Score1

REPEAT

OUTPUT “Re-enter the strokes for verification –“

INPUT Score2

UNTIL Score1==Score2

Player1[i]🡨Score1

Total1🡨 Total1+Score1

Score[0]🡨Total1

OUTPUT “would you like to see total number of strokes you have played so far?”

IF Ans ="Y":

PRINT "your Total strokes ", Score[0]

ENDIF

OUTPUT "Enter the score for " + Name[1]

INPUT Score1

REPEAT

OUTPUT "Re-enter the strokes for verification - "

INPUT Score2

UNTIL Score1=Score2

Player2[i] 🡨 Score1

Total2 🡨 Total2+Score1

Score[1] 🡨 Total2

OUTPUT "would you like to see total number of strokes you have played so far?"

INPUT Ans

IF Ans ="Y" THEN

PRINT "your Total strokes ", Score[1]

ENDIF

IF NoOfPlayers>2 THEN

OUTPUT "Enter the score for " + Name[2]

INPUT Score1

REPEAT

OUTPUT "Re-enter the strokes for verification - "

INPUT Score2

UNTIL Score1=Score2

Player3[i]=Score1

Total3=Total3+Score1

Score[2]=Total3

OUTPUT "would you like to see total number of strokes you have played so far?"

INPUT Ans

IF Ans ="Y" THEN

PRINT "your Total strokes ", Score[2]

ENDIF

ENDIF

IF NoOfPlayers>3 THEN

OUTPUT “Enter the score for “ + Name[3]

INPUT Score1

REPEAT

OUTPUT "Re-enter the strokes for verification - "

INPUT Score2

UNTIL Score1=Score2

Player4[i] 🡨 Score1

Total4 🡨 Total4+Score1

Score[3] 🡨 Total4

OUTPUT “would you like to see total number of strokes you have played so far?"

INPUT Ans

IF Ans ="Y" THEN

PRINT "Your Total strokes ", Score[3]

ENDIF

ENDIF

NEXT

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#Task3 – deciding the winning player

Min🡨 Score[0]

Pos 🡨 0

FOR I 🡨 1 TO NoOfPlayers THEN

IF Score[i]<Min THEN

Min🡨Score[i]

Pos🡨i

ENDIF

NEXT

PRINT "Winner of this round is", Name[Pos]

PRINT "Winning score", Score[Pos]

#Task3 - Display the name and final score for each player relative to par

FOR i🡨 1 TO NoOfPlayers

IF Score[i]>Par THEN

FinalScore 🡨 Score[i]-Par

PRINT Name[i], "Final Score is", FinalScore,"Over the par"

ELSE

FinalScore 🡨 Par - Score[i]

PRINT Name[i], "Final Score is", FinalScore,"below the par"

ENDIF

NEXT

#Task3 - every player’s score for each hole

PRINT Name[0], " "

FOR i 🡨 1 TO NoOfHoles

PRINT Player1[i], " "

NEXT

PRINT Name[1], " "

FOR i 🡨 1 TO NoOfHoles

PRINT Player2[i], " "

NEXT

IF NoOfPlayers>2 THEN

PRINT Name[2], " "

FOR I 🡨 1 TO NoOfHoles

PRINT Player3[i], " "

NEXT

ENDIF

IF NoOfPlayers>3 THEN

PRINT Name[3], " "

FOR i 🡨 1 TO NoOfHoles

PRINT Player4[i], " "

NEXT

ENDIF

#Task3 - the player’s name and hole number of any score of one for a hole (hole-in-one)

FOR i 🡨 1 TO NoOfHoles

IF Player1[i]=1 THEN

PRINT Name[0], "on hole no. ", i+1

IF Player2[i]=1 THEN

PRINT Name[1],"on hole no. ", i+1

IF Player3[i]=1 THEN

PRINT Name[2],"on hole no. ", i+1

IF Player4[i]=1 THEN

PRINT Name[3],"on hole no. ", i+1

#Task3 - the average score for the round

GrandTotal🡨 0

FOR i 🡨 1 TO NoOfPlayers

GrandTotal🡨 GrandTotal+Score[i]

Average 🡨 GrandTotal/(NoOfPlayers\*NoOfHoles)

PRINT "Average", Average

#Task3 - The average score for a hole.

FOR i 🡨 1 TO NoOfHoles

Avg🡨 (Player1[i]+Player2[i]+Player3[i]+Player4[i])/NoOfPlayers

PRINT "Hole ", i+1, " Average is ", Avg

NEXT