**Problem for January 22nd - Basketball**

In this problem, the goal is to write a program that accepts several inputs from a user, and based on these values prints out a basketball court and (sometimes) a scoreboard to go along with it. The three inputs to get from the user are:

* The size of the court
* The score for the first team (three digits or less)
* The score for the second team (three digits or less)

Shown below is one example of the program being run:

Enter court width: **10**

Enter first team score: **29**

Enter second team score: **32**

+---------+

| SCORE |

| 29 32 |

+---------+

+------------------------------+

| |

|-----++ ++-----|

|O | | SUNS | O|

|-----++ ++-----|

| |

+------------------------------+

Notice several things:

* The scores show up in the score box, correctly aligned within the score box
* There are 5 spaces between the first free-throw area and the “SUNS” words, and five spaces between the “SUNS” words and the second free-throw area, for a total of 10. This was determined by the size of court input value

Here is another run of the program with a different size and scores. Notice how the scores still line up nicely, even with a 1-digit and three-digit score:

Enter court width: **20**

Enter first team score: **1**

Enter second team score: **100**

+---------+

| SCORE |

| 1 100 |

+---------+

+----------------------------------------+

| |

|-----++ ++-----|

|O | | SUNS | O|

|-----++ ++-----|

| |

+----------------------------------------+

Lastly, there is a requirement that if the size of the course is set to an odd number, the value should be rounded down to get the size, AND the scoreboard should not be displayed. For instance:

Enter court width: **5**

Enter first team score: **25**

Enter second team score: **25**

+------------------------+

| |

|-----++ ++-----|

|O | | SUNS | O|

|-----++ ++-----|

| |

+------------------------+

Implement this!

**Solution:**

size = int(input('Enter court width: '))

score\_1 = input('Enter first team score: ')

score\_2 = input('Enter second team score: ')

score\_1 = score\_1.ljust(3)

score\_2 = score\_2.ljust(3)

is\_even = (size+1) % 2

mul = int(size / 2)

row\_1a = '+---------+\n'

row\_2a = '| SCORE |\n'

row\_3a = '| ' + score\_1 + ' ' + score\_2 + ' |\n'

row\_4a = '+---------+\n'

row\_1b = '+--------' + ('-'\*mul) + '----' + ('-'\*mul) + '--------+'

row\_2b = '| ' + (' '\*mul) + ' ' + (' '\*mul) + ' |'

row\_3b = '|-----++ ' + (' '\*mul) + ' ' + (' '\*mul) + ' ++-----|'

row\_4b = '|O | |' + (' '\*mul) + 'SUNS' + (' '\*mul) + '| O|'

row\_5b = '|-----++ ' + (' '\*mul) + ' ' + (' '\*mul) + ' ++-----|'

row\_6b = '| ' + (' '\*mul) + ' ' + (' '\*mul) + ' |'

row\_7b = '+--------' + ('-'\*mul) + '----' + ('-'\*mul) + '--------+'

print(row\_1a \* is\_even, end='')

print(row\_2a \* is\_even, end='')

print(row\_3a \* is\_even, end='')

print(row\_4a \* is\_even, end='')

print(row\_1b)

print(row\_2b)

print(row\_3b)

print(row\_4b)

print(row\_5b)

print(row\_6b)

print(row\_7b)