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Assignment: Project1 explanation

I know you mentioned in the project that we assume all the inputs are greater than 1, but just to make is easy I added an extra if statement for that condition.

1. Now my solution is comprising of simple if statements. First is to just make sure the number is greater than 1.
2. I could have not used this if statement and following nested else if statements, but I wanted my output to look better, which I will explain later.
3. else if(n%8==0)Let’s jump to else if statement after that cluster, here this if statement is if the given number is multiple of eight. Because 8 is the highest point possible it will be the best score if all the points are comprised of 8 points. For example, score 64 is best possible with 8 scores.
4. else if((n-2)%8==0)This if statement subtracts the number by 2 and if that number is multiple of 8 meaning it has that much 8 pointers and one safety.
5. else if((n-3)%8==0)This if statement subtracts the number by 3 and if that number is multiple of 8 meaning it has that much 8 pointers and one field goal.
6. else if((n-6)%8==0)This if statement subtracts the number by 6 and if that number is multiple of 8 meaning it has that much 8 pointers and six pointers.
7. else if((n-7)%8==0)This if statement subtracts the number by 7 and if that number is multiple of 8 meaning it has that much 8 pointers and seven pointers.
8. else if((n-4)%8==0)This if statement subtracts the number by 4 and if that number is multiple of 8 meaning it has that much 8 pointers and two safeties.
9. else if((n-5)%8==0)This if statement subtracts the number by 5 and if that number is multiple of 8 meaning it has that much 8 pointers, one safety and one field point.
10. else if((n-9)%8==0)This if statement subtracts the number by 9 and if that number is multiple of 8 meaning it has that much 8 pointers, 7 pointer and one safety, this case is also true for all the numbers like (8n+1).

Above concept is true because I have chosen all the big points until I can and then I see what next big point I can use for remaining number.

I used a cluster of if statement and else if statement for number between 2 and 9 because I wanted it to not print 0: eight pointers. Or any other 0 quantity.