

Paranthesis Question

Leet Code - 1

19/2/24

```
#include <stdio.h>
```

```
#include <stdlib.h>
```

```
int scoreofParanthesis (char *s)
```

```
{
```

```
    int stack[50];
```

```
    int top = -1;
```

```
    int score = 0;
```

```
    for (int i = 0; s[i] != '\0'; i++)
```

```
    {
```

```
        if (s[i] == '(')
```

```
        {
```

```
            stack[++top] = score;
```

```
            score = 0;
```

```
        }
```

```
    else
```

```
    {
```

```
        score = stack[top--] + score == 0 ? 1 : 2 *  
        score;
```

```
    }
```

```
}
```

```
return score;
```

```
}
```

Case 1

" () "

1

1

Case 2

" (()) "

2

2

Case 3

" () () "

2

2