1. Write a function that stutters a word as if someone is struggling to read it. The first two letters are repeated twice with an ellipsis ... and space after each, and then the word is pronounced with a question mark ?. Examples stutter('incredible') → 'in... in... incredible?' stutter('enthusiastic') → 'en... en... enthusiastic?' stutter('outstanding') → 'ou... ou... outstanding?'

In [2]:
```
def fun(word):
    s = word[:2]
    return (2 * (s + '... ')) + word + '?'


print(fun("incredible"))
```

```
in... in... incredible?
```

1. Create a function that takes an angle in radians and returns the corresponding angle in degrees rounded to one decimal place.

In [3]:
```
pi=22/7
radian = float(input("Input radians: "))
degree = radian*(180/pi)
ans = round(degree,1)
print(ans)
```

```
Input radians: 15
859.1
```

1. In this challenge, establish if a given integer num is a Curzon number. If 1 plus 2 elevated to num is exactly divisible by 1 plus 2 multiplied by num, then num is a Curzon number. Given a non-negative integer num, implement a function that returns True if num is a Curzon number, or False otherwise.

In [6]:
```
def Curzon_Number(N):
    powerTerm, productTerm = 0, 0
    powerTerm = pow(2, N) + 1
    productTerm = 2 * N + 1
    if (powerTerm % productTerm == 0):
        print("Yes")
    else:
        print("No")
if __name__ == '__main__':

    N = 5
    Curzon_Number(N)

    N = 10
    Curzon_Number(N)
```

```
Yes
No
```

1. Given the side length x find the area of a hexagon

In [10]:
```
import math
def Area(s):
    return ((3 * math.sqrt(3) *(s * s)) / 2);

inp = 5
print(Area(inp))
```

```
64.9519052838329
```

In [ ]: