

## COVID - 19 (2 point)

**Difficulty:** Easy

The doctors and the scientists are found out that you can learn about your illness coronavirus from home by the following formula. If you duplicate your body temperature by Celsius with the number of pi(math) and round up to the nearest whole number and if it is between the intervals of 120 to 128 so you have coronavirus otherwise no.

**Task:**

Create a class that accepts a number of your body temperature by Celsius and duplicate with the number of pi and rounded up to the nearest whole number

**Input Format:**

The Float number of your body temperature by Celsius.

**Output Format:**

It will return "You have coronavirus" if your result between 120 to 128 otherwise it will say "Everything is ok"

**Sample Input:**

38.1

**Sample Output:**

"You Have coronavirus"

**Explanation:**

You have coronavirus because your result is 120 and it is between 120 to 128:

Input	Output
36.6	"Everything is ok"
38	"You Have coronavirus"
40	"You Have coronavirus"
40.74	"You Have coronavirus"
40.75	"Everything is ok"

## Find your name number (3 point)

**Difficulty:** Medium

The english scientists found out that each english letter has its corresponding numbers. And they create a chart where: 1 = a, j, s 2 = b, k, t 3 = c, l, u 4 = d, m, v 5 = e, n, w 6 = f, o, x 7 = g, p, y 8 = h, q, z 9 = i, r and you will know if your name is widespread or no when you square root your name number and arranging number in ascending order is less than 5:

### Task:

Create a class that accepts a string of your name and it will tell the number of your name will tell if it is widespread or not .

### Input Format:

A string of your name.

### Output Format:

The number of your name and it will return "Yes" if your square root your name number and arranging number in ascending order is less than 5 otherwise it will return "No":

### Sample Input:

Anna

### Sample Output:

12 , Yes

### Explanation:

Change first letter to lowercase.  $a + n + n + a = 1 + 5 + 5 + 1 = 12$  and  $\text{sqrt} < 5$ :

Your name is considered to be widespread because your result is less than 5:

Input	Output
Ani	15, Yes
Michael	33, No
Jon	12, Yes
Shakira	22, No
Kim	15, Yes

## Harry Potter (5 point)

**Difficulty:** Hard

You are Harry Potter and you fight with Lord Voldemort in order to protect your friends. You should use magic words for winning him. You both use the following magic words during fighting: *Avada Kedavra*, *Crucio*, *Imperio* . You get 1 point when your word corresponds to his, otherwise you lose 1 point. You have three attempts and you will become a winner if you have 2 corresponding words.

### **Task:**

Create a class that accepts three string through which you will try to guess the random magic word of the Lord Voldemort.

### **Input Format:**

Three strings which you will use for fighting.

### **Output Format:**

It will return the Lord Voldemort's three random magic words.  
And if you have 2 and more corresponding words  
it will say "You win" otherwise it will say "You lose".

### **Sample Input:**

*Avada Kedavra*  
*Crucio*  
*Imperio*

### **Sample Output:**

*Imperio Crucio Imperio*  
*You win*

### **Explanation:**

You become a winner as you had 2 corresponding and you got 1 point.  
At first you lose 1 point, then you got 1 point and afterwards you again got 1 point  
 $0 - 1 + 1 + 1 = 1$