

PYTHON LAB: Resolve an equation first degree

Write a program that will resolve an equation first degree ($ax + b = 0$). The user will require to enter value of "a" and "b" > the program will show the result.

SOLUTION:

```
equation_1_degree.py U × equation_2_degree.py U equation2.py U
Bootcam-Python > equation_1_degree.py > resolve_equation_first_degree
1 def resolve_equation_first_degree(a, b):
2     if a == 0:
3         if b == 0:
4             return "Infinity of solutions"
5         else:
6             return "The is no solution"
7     else:
8         x = -b / a
9     return f"The is only one solution x = {x}"
10
11 # Test du programme
12 print("The resolution of equation ax + b = 0")
13 a = float(input("Enter the value a : "))
14 b = float(input("Enter the value b : "))
15
16 result = resolve_equation_first_degree(a, b)
17 print(result)

PROBLEMS 1 OUTPUT DEBUG CONSOLE TERMINAL PORTS GITLENS COD
● josephmbatchou@Josephs-MacBook-Air PYTHON_LABS % python3 equation_1_degree.py
The resolution of equation ax + b = 0
Enter the value a : 3
Enter the value b : -6
The is only one solution x = 2.0
● josephmbatchou@Josephs-MacBook-Air PYTHON_LABS % python3 equation_1_degree.py
The resolution of equation ax + b = 0
Enter the value a : 7
Enter the value b : 5
The is only one solution x = -0.7142857142857143
○ josephmbatchou@Josephs-MacBook-Air PYTHON_LABS %
```