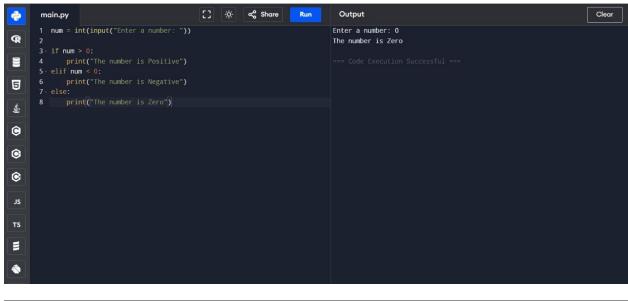
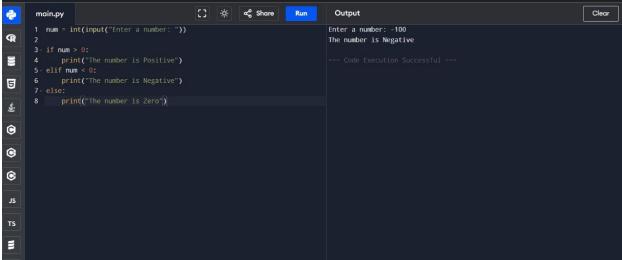
Class Activity / Practice Problems

Write a program to check if a number is positive, negative, or zero.





```
[] 🔅 📽 Share
                                                                                                                                                      Clear
                                                                                    Output
       1 num = int(input("Enter a number: "))
                                                                                  Enter a number: 50
R
                                                                                  The number is Positive
         print("The number is Positive")
elif num < 0:</pre>
=
       6     print("The number is Negative")
7     else:
目
$
0
0
•
=
```

Create a program to determine whether a given year is a leap year.

```
moin.py

[] 

| vear = int(input("Enter a year: "))
| vear = int(input
```

Build a simple calculator that asks for two numbers and an operator (+, -, *, /) and prints the result.

```
[] ☆ & Share Run
                                                                                                                                        Output
                                                                                                                                                                                                                                                   Clear
           main.py
           1  # Ask the user for two numbers
2  num1 = float(input("Enter first number: "))
3  num2 = float(input("Enter second number: "))
                                                                                                                                      Enter first number: 5
                                                                                                                                      Enter second number: 9
                                                                                                                                      Enter operator (+, -, *, /): +
Result = 14.0
           5  # Ask the user for an operator
6  operator = input("Enter operator (+, -, *, /): ")
7
5
鱼
          10  print("Result =", num1 + num2)
11 - elif operator == "-":
0
          12 print("Result =", num1 - num2)
13 - elif operator == "*":
•
          13 - elif operator == "^":

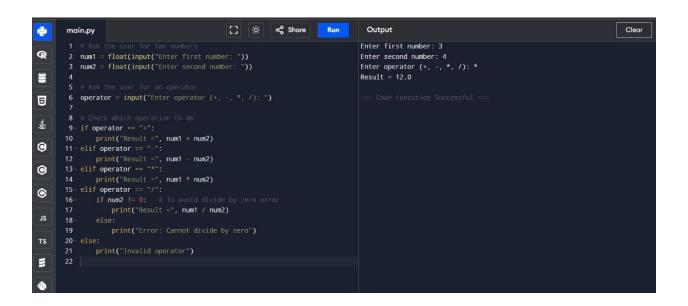
14    print("Result =", num1 * num2)

15 - elif operator == "/":

16    if num2 != 0: # To avoid divide by zero error

17    print("Result =", num1 / num2)
0
JS
=
•
```

```
Clear
                                                   [] ⊹ oc Share Run
                                                                                         Output
        main.py
                                                                                       Enter first number: 8
        num1 = float(input("Enter first number: "))
num2 = float(input("Enter second number: "))
P
                                                                                        Enter second number: 0
=
        5 # Ask the user for an operator
6 operator = input("Enter operator (+, -, *, /): ")
9
       8 # Check which operation to do
9- if operator == "+":
鱼
          print("Result =", num1 + num2)
0
       11 - elif operator == "-
       12 print("Result =", num1 - num2)
13 elif operator == "*":
0
       0
TS
=
```



```
[] 🌣 🚓 Share Run
                                                                                                                                                                                                                                                                                                                         Clear
                                                                                                                                                                                 Output
                main.py
                                                                                                                                                                              Enter first number: 12
                2 num1 = float(input("Enter first number: "))
3 num2 = float(input("Enter second number: "))
Q
                                                                                                                                                                             Enter second number: 20
Enter operator (+, -, *, /): /
                 5 # Ask the user for an operator
6 operator = input("Enter operator (+, -, *, /): ")
 7
8 # Check which operation to do
9- if operator == "+":
10    print("Result =", num1 + num2)
11- elif operator == "-":
12    print("Result =", num1 - num2)
13- elif operator == "*":
14    print("Result =", num1 * num2)
15- elif operator == "/":
16-    if num2 != 0: # To avoid divide by zero error
17    print("Result =", num1 / num2)
18-    else:
19    print("Error: Cappat !!")
9
0
•
0
              19  print("Error: Cannot divide by zero")
20 else:
 =
 •
```

Write a Python program that accepts a student's marks and prints the appropriate grade based on the following criteria:

A: 85 and above

B: 70 to 84

C: 50 to 69

F: Below 50

```
moin.py

Clear

The moin.py

Th
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