ERROR

```
1  marks = float(input("Enter student's marks: "))
2
3  if marks >= 85:
4      print("Grade: A")
5  elif marks >= 70:
6      print("Grade: B")
7  elif marks =50:
8      print("Grade: C")
9  else:
10     print("Grade: F")
11
```

```
ERROR!
Traceback (most recent call last):
  File "<main.py>", line 7
    elif marks =50:
         ^^^^^^^^^
SyntaxError: invalid syntax. Maybe you meant '==' or ':=' instead of '='?

=== Code Exited With Errors ===
```

ERROR! .

```python
1   marks = float(input("Enter student's marks: "))
2
3   if marks >= 85:
4       print("Grade: A")
5   elif marks >= 70:
6       print("Grade: B")
7   elif marks =50:
8       print("Grade: C")
9   else:
10      print("Grade: F")
11
```

main.py

Output

```
ERROR!
Traceback (most recent call last):
  File "<main.py>", line 7
    elif marks =50:
              ^^^^^^^^^
SyntaxError: invalid syntax. Maybe you meant '==' or ':=' instead of '='?

=== Code Exited With Errors ===
```

Clear

main.py

```python
marks = float(input("Enter student's marks: "))

if marks >= 85:
    print("Grade: A")
elif marks >= 70:
    print("Grade: B")
elif marks >= 50:
    print("Grade: C")
else:
    print("Grade: F")
```
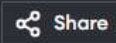
Output

```
Enter student's marks: 66
Grade: C

=== Code Execution Successful ===
```

```python
num1 = float(input("Enter first number: "))
num2 = float(input("Enter second number: "))
operator = input("Enter operator (+, -, *, /): ")



if operator == "+":
    print("Result:", num1 + num2)
elif operator == "-":
    print("Result:", num1 - num2)
elif operator == "*":
    print("Result:", num1 * num2)
elif operator == "/":
    if num2 != 0:
        print("Result:", num1 / num2)
    else:
        print("Error: Cannot divide by zero.")
else:
    print("Invalid operator.")
```

Output

```
Enter first number: 5
Enter second number: 5
Enter operator (+, -, *, /): /
Result: 1.0

=== Code Execution Successful ===
```

```python
1  year = int(input("Enter a year: "))
2
3  if (year % 4 == 0 and year % 100 != 0) or (year % 400 == 0):
4      print(f"{year} is a leap year.")
5  else:
6      print(f"{year} is not a leap year.")
7
```

Output

```
Enter a year: 2005
2005 is not a leap year.


=== Code Execution Successful ===
```

```python
number = float(input("Enter a number: "))

if number > 0:
    print("The number is positive.")
elif number < 0:
    print("The number is negative.")
else:
    print("The number is zero.")

```

```
Enter a number: 43434
The number is positive.

=== Code Execution Successful ===
```

ERROR

```python
1  number = float(input("Enter a number: "))
2
3  if number > :
4      print("The number is positive.")
5  elif number < 0:
6      print("The number is negative.")
7  else:
8      print("The number is zero.")
9
10
```

```
ERROR!
Traceback (most recent call last):
  File "<main.py>", line 3
    if number > :
                ^
SyntaxError: invalid syntax

=== Code Exited With Errors ===
```