

1. Write a python program that takes two numbers as input and performs division handle the case where the divisor is zero?

```
def divide_numbers():  
    try:  
        numerator = float(input("enter the numerator: "))  
        denominator = float(input("enter the denominator: "))  
        if denominator == 0:  
            print("Error: Division by zero is not allowed")  
        else:  
            result = numerator/denominator  
            print(f'the result of {numerator} divided by {denominator} is {result:.2f}')  
    except ValueError:  
        print("Invalid input, please enter numeric values")  
divide_numbers()
```

2. Write a python program that writes "hello world!" to a file named hello.txt?

```
def write_hello_world_to_file():  
    file_name = 'hello.txt'  
    content = "hello world!"  
    try:  
        with open(file_name, 'w') as file:  
            file.write(content)  
        print(f'{content}' has been written to {file_name}')  
    except IOError as e:  
        print(f'An error occurred while writing to the file: {e}')  
write_hello_world_to_file()
```