Data analysis

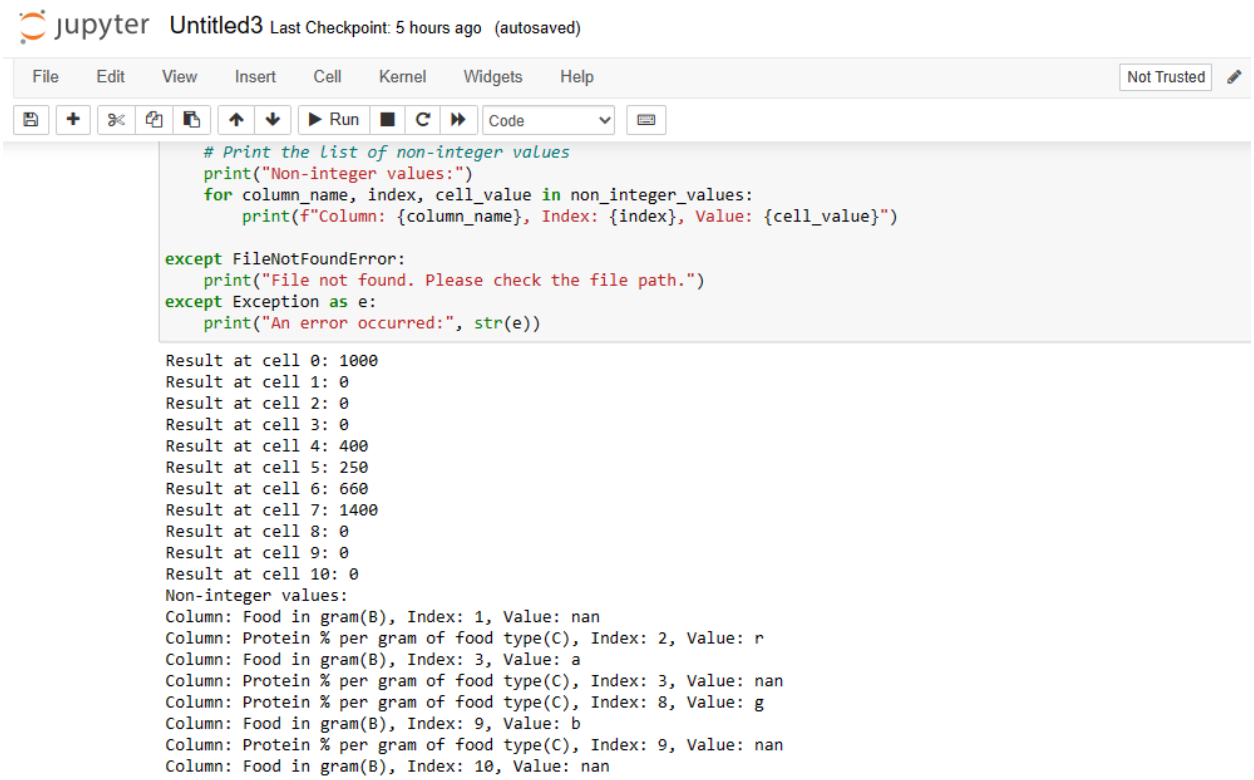
Name	Food in gram(B)	Protein % per gram of food type(C)
Ashish	50	20
Avik		25
Amit	30	r
Ashwariya	a	
Shreya	20	20
Shruti	25	10
Jahnavi	22	30
Mugdha	40	35
Preeya	33	g
Yogini	b	
Megha		20

Code to process this data:

```
import pandas as pd

try:
    # read the Excel file into a pandas DataFrame
    df = pd.read_excel(r"D:\New Folder\lib\jfr\Protein_data_deeksha.xlsx", sheet_name="Sheet1")

    # Multiply the data of two cells and print the result
    column_name_1 = 'Food in gram(B)'  # Replace 'Column1' with the actual name of the first column
    column_name_2 = 'Protein % per gram of food type(C)'  # Replace 'Column2' with the actual name of the second column

    non_integer_values = []  # List to store non-integer values

    if column_name_1 in df.columns and column_name_2 in df.columns:
        column_data_1 = df[column_name_1]
```

```
        column_data_2 = df[column_name_2]

        for index, cell_value_1 in column_data_1.items():
            cell_value_2 = column_data_2[index]

            # Check if cell data is not an integer and replace it with 0
            if not isinstance(cell_value_1, int):
                non_integer_values.append((column_name_1, index, cell_value_1))
                cell_value_1 = 0
            if not isinstance(cell_value_2, int):
                non_integer_values.append((column_name_2, index, cell_value_2))
                cell_value_2 = 0

            result = cell_value_1 * cell_value_2
            print(f"Result at cell {index}: {result}")

    else:
        print("One or both of the specified columns do not exist in the DataFrame.")

    # Print the list of non-integer values
    print("Non-integer values:")
    for column_name, index, cell_value in non_integer_values:
        print(f"Column: {column_name}, Index: {index}, Value: {cell_value}")

except FileNotFoundError:
    print("File not found. Please check the file path.")
except Exception as e:
    print("An error occurred:", str(e))
```

Result:


jupyter Untitled3 Last Checkpoint: 5 hours ago (autosaved)
File Edit View Insert Cell Kernel Widgets Help
Not Trusted
Run
Code
# Print the list of non-integer values
print("Non-integer values:")
for column_name, index, cell_value in non_integer_values:
print(f"Column: {column_name}, Index: {index}, Value: {cell_value}")
except FileNotFoundError:
print("File not found. Please check the file path.")
except Exception as e:
print("An error occurred:", str(e))
Result at cell 0: 1000
Result at cell 1: 0
Result at cell 2: 0
Result at cell 3: 0
Result at cell 4: 400
Result at cell 5: 250
Result at cell 6: 660
Result at cell 7: 1400
Result at cell 8: 0
Result at cell 9: 0
Result at cell 10: 0
Non-integer values:
Column: Food in gram(B), Index: 1, Value: nan
Column: Protein % per gram of food type(C), Index: 2, Value: r
Column: Food in gram(B), Index: 3, Value: a
Column: Protein % per gram of food type(C), Index: 3, Value: nan
Column: Protein % per gram of food type(C), Index: 8, Value: g
Column: Food in gram(B), Index: 9, Value: b
Column: Protein % per gram of food type(C), Index: 9, Value: nan
Column: Food in gram(B), Index: 10, Value: nan