```
while True:
    name = input('Enter your name: ')
    gender = input('Enter your gender (male or female): ').lower()
    height = float(input('Enter height in cm: '))
    weight = float(input('Enter weight in kg: '))


    def BMI(height, weight, gender):
        bmi = weight / (height / 100) ** 2
        if gender == 'male':
            if bmi < 18.5:
                return 'Underweight', bmi
            elif 18.5 <= bmi < 25:
                return 'Normal weight', bmi
            elif 25 <= bmi < 30:
                return 'Overweight', bmi
            elif bmi >= 30:
                return 'Obesity', bmi
        elif gender == 'female':
            if bmi < 18.5:
                return 'Underweight', bmi
            elif 18.5 <= bmi < 25:
                return 'Normal weight', bmi
            elif 25 <= bmi < 30:
                return 'Overweight', bmi
            elif bmi >= 30:
                return 'Obesity', bmi
            pass
        else:
                return 'Invalid gender', None


    quote, bmi = BMI(height, weight, gender)


    if quote is None:
        print('Invalid gender entered.')
    else:
        print('Hello, {}!'.format(name))
        print('Your BMI is: {:.2f} and you are: {}'.format(bmi, quote))
        print('')
    user=input("Enter Y to repeat, enter N to exit program: ")
    if user == 'Y' or user =='n':
        print()
    elif user == 'N' or user =='n':
        print('')
```

```
        print("Thank you, stay healthy!")
        print()
        break
    else:
        print('Invalid input, please rerun the code')
        print()
        break
```

Group 7 CABELLON ,,MAGDADARO,SUAREZ = Medical Calculator