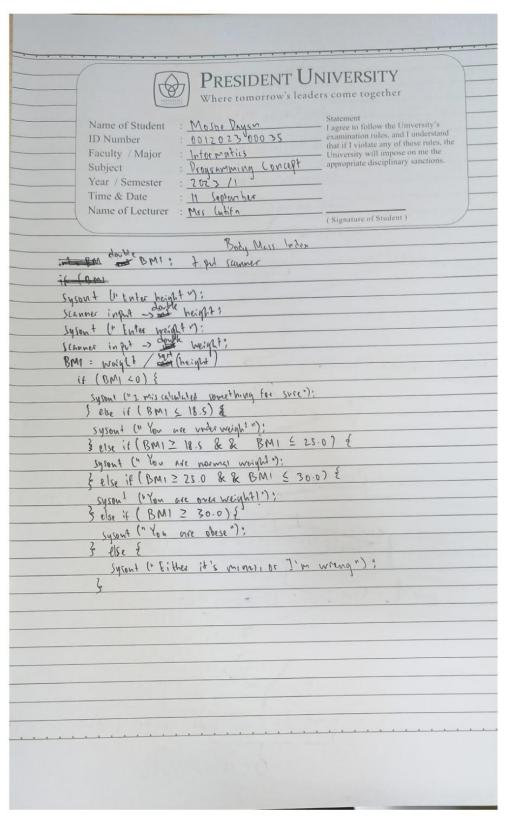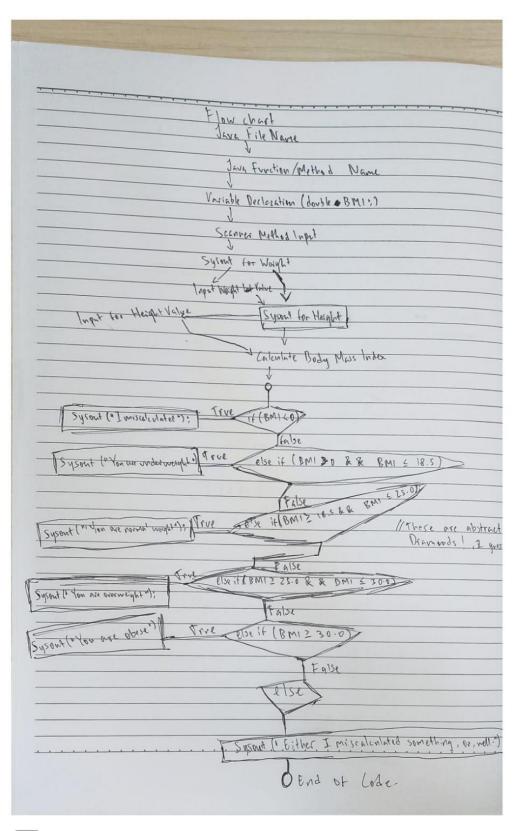# Programming Concept Week 2 Assignments

I sincerely apologize for the late submissions, I completely slip out for it, here I attached the Photo of my assignment, I hope this still be accepted, again I'm so sorry for the late submission, sincerely.
Moshe Dayan

Body Mass Index

```
double
BMI ;   + put scanner
if (BMI

sysout (" Enter height ");
scanner input → double height;
sysout (" Enter weight ");
scanner input → double weight;
BMI = weight / sqrt (height)
 if ( BMI <0) {
    sysout ("I mis calculated something for sure");
 } else if ( BMI ≤ 18.5) {
    sysout (" You are under weight ");
 } else if ( BMI ≥ 18.5 && BMI ≤ 25.0) {
    sysout (" You are normal weight");
 } else if ( BMI ≥ 25.0 && BMI ≤ 30.0) {
    sysout ("You are over weight!");
 } else if ( BMI ≥ 30.0) {
    sysout (" You are obese");
 } else {
    sysout (" Either it's minus, or I'm wrong");
 }
```

Flow chart
Java File Name
↓
Java Function/Method Name
↓
Variable Declaration (double ♦ BMI;)
↓
Scanner Method Input
↓
Sysout for Weight
↓
Input Weight Int Value →
Input for Height Value
↓
Sysout for Height
↓
Calculate Body Mass Index
↓

Sysout ("I miscalculated"); ← True if (BMI < 0)
                                      false
Sysout ("You are underweight") ← True else if (BMI ≥ 0 && BMI ≤ 18.5)
                                              False
Sysout ("You are normal weight"); ← True else if (BMI ≥ 18.5 && BMI ≤ 25.0)

// These are abstract Diamonds!, I guess

                                              False
Sysout ("You are overweight"); ← True else if (BMI ≥ 25.0 && BMI ≤ 30.0)
                                              False
Sysout ("You are obese") ← True else if (BMI ≥ 30.0)
                                              False
                                           else
                                              ↓
Sysout ("Either, I miscalculated something, or, well.")
                    ↓
                  End of Code.