**Java Programming Language**

**JOB NO : 4**

**JOB NAME:** Calculate Great of a Result using Java.

**Calculate Great of a Result using Java**

import java**.**util**.**ArrayList;

import java**.**util**.**Scanner;

**public** **class** CalculateGreat {

**public** **static** **void** main(String[] args) {

        System.out.println(

                "You need to enter Subject\tTotal Grade\tCredits\tCredit Points one by one.");

**int** subjectCounter = 1;

        ArrayList<Float> yourGreatPointOnSubject = new ArrayList<Float>();

        ArrayList<Float> creditsOnSubjects = new ArrayList<Float>();

        Scanner scanner = new Scanner(System.in);

        while (true) {

*// get input of data*

            System.out.println("Subject number : " + subjectCounter);

            System.out.print("\n\tYour Grade Point : ");

            yourGreatPointOnSubject.add(scanner.nextFloat());

            System.out.print("\n\tCredits of subject : ");

            creditsOnSubjects.add(scanner.nextFloat());

            System.out

                    .print(

                            "Will add more subject? enter 'Y' for yes or 'N' for break. Default is 'Y'\nYour Answer : ");

            scanner.nextLine();

            String cmd = scanner.nextLine();

            if (cmd.equals("N") || cmd.equals("NO") || cmd.equals("No") || cmd.equals("no") || cmd.equals("n"))

                break;

            subjectCounter++;

        }

*// calculate credits*

**float** your\_total\_credits = 0;

**float** most\_credits = 0;

        for (**int** i = 0; i < yourGreatPointOnSubject.size(); i++) {

**float** great = yourGreatPointOnSubject.get(i);

**float** credit = creditsOnSubjects.get(i);

            your\_total\_credits += great \* credit;

            most\_credits += credit;

        }

**float** CGPA = your\_total\_credits / most\_credits;

        System.out.println("Your CGPA-4 is : " + CGPA);

        scanner.close();

    }

}

**OUTPUT**

**You need to enter Subject Total Grade Credits Credit Points one by one.**

**Subject number : 1**

**Your Grade Point : 3.5**

**Credits of subject : 12**

**Will add more subject? enter 'Y' for yes or 'N' for break. Defult is 'Y'**

**Your Answer :**

**Subject number : 2**

**Your Grade Point : 3.7**

**Credits of subject : 10**

**Will add more subject? enter 'Y' for yes or 'N' for break. Defult is 'Y'**

**Your Answer :**

**Subject number : 3**

**Your Grade Point : 3.9**

**Credits of subject : 16**

**Will add more subject? enter 'Y' for yes or 'N' for break. Defult is 'Y'**

**Your Answer : n**

**Your CGPA-4 is : 3.7210524**

**NOTE :** To find all code and documents go to this link blew:

https://github.com/IsmailHosenIsmailJames/Learn-Java/tree/main/src/Job/Job\_3