Activity 1

This program is designed to reads an unspecified number of integers, determines how many positive and negative values have been read, and computes the total and average of the input values.

1. Start
2. Get an unspecified number
3. Read the input
4. While number is not 0
5. If number > 0
   * 1. It is positive
6. Else
   * 1. Its negative
7. Calculate total +=number
8. Increment loop
9. Get another input from user
10. Display positive counts
11. Display negative counts
12. Display sum of total inputs
13. Average of sum of total inputs
14. End

Activity 2

This program designed to display converted value of mass from kilogram unit to pound unit starting from 1 kilogram up until 199 kilograms.

1. Start.
2. Initialise kilogram with value 1.
3. while (kg<200)

3.1.Calculate pounds = (float) (kg\*2.2)

3.2.Display kilogram and pounds

1. end\_while
2. End.

Activity 3

This program designed for user to enter a value for each of two integers such that the value for the first integer must be less than the value for the second integer.Then,the odd integers and the even integers between the first integer and the second integer inclusively.

1. Start.
2. Read num1
3. Read num2
4. while(num1 >num2)
5. end while
6. display message “incorrect! Please enter again your integer again”
7. while(x < num2)
8. if(x %2 != 0)
9. it is odd number
10. end\_if
11. while (x < num2)
12. if(num 1%2 = 0)
13. it is odd number
14. end\_if
15. end\_while
16. Display odd number
17. Display even number
18. End

Activity 4

This program displays the value of tuition fee for the first 4 years of study at a tuition and after 10 years automatically without the need for users’ inputs.

1. Start.
2. Declare year with data type int and initialize year with value 1.
3. while (year < 4)
4. Calculate tuition\_fee \*= 1.05
5. Display year and tuition\_fee
6. Calculate fee \*= 1.05\*10
7. end\_while
8. Display year and tuition\_fee
9. Display first\_4\_years
10. Display after fees after 10 years
11. End.

Activity 5

This program displays a renting coupon for each 20 apartment buildings consisting of 15 units respectively for each 12 months in year 2021.

1. Start.
2. Declare variable buildings,apartment,month and day\_amount with data type int

and initilaise all of those four variables with value 1 except for day

1. which is initialized with value 0.
2. while (building<=20)
3. while (apartment <=15)
4. while (month<=12)
5. Display "------------------------------------"
6. Display "Payment Coupon for "
7. CASE month of
   * 1. 1 : Display “January”
        1. Day=31.
        2. Break
     2. 2 : Display “February”
        1. Day=28.
        2. Break
     3. 3 : Display “March”
        1. Day=31.
        2. Break
        3. 4 : Display “April”
        4. Day=30.
        5. Break
     4. 5 : Display “May”
        1. Day=31.
        2. Break
     5. 6 : Display “June”
        1. Day=30.
        2. Break
     6. 7 : Display “July”
        1. Day=31.
        2. Break
     7. 8 : Display “August”
        1. Day=31.
        2. Break
     8. 9 : Display “September”
        1. Day=30
        2. Break
     9. 10 : Display “October”
        1. Day=31.
        2. Break
     10. 11 : Display “November”
         1. Day=30
         2. Break
     11. 12 : Display “December”
         1. Day=31.
         2. Break
     12. ENDCASE
8. Display building and apartment.
9. Display “Amount of rent : RM800.00”
10. Display day and month
11. Calculate month = month + 1
12. end\_while
13. Calculate apartment = apartment + 1
14. end\_while
15. Calculate building = building + 1
16. end\_while
17. End.