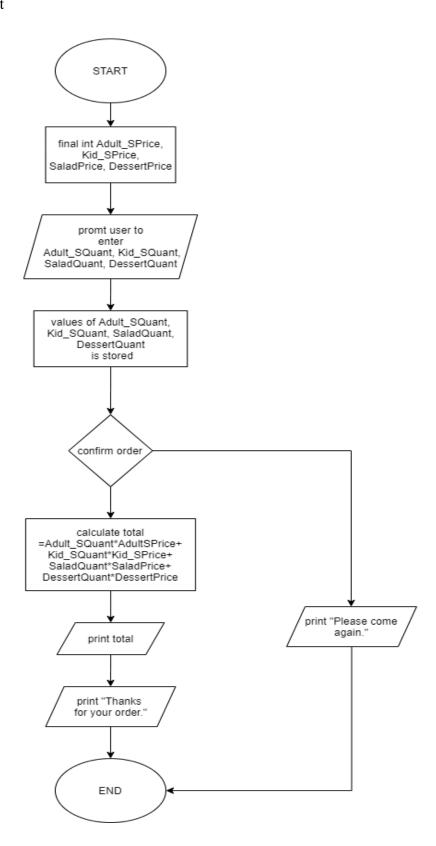
REVIEW 1 - INDIVIDUAL ASSIGNMENT

Question 1



```
> Code
```

```
import javax.swing.*;
import java.net.*;
public class Question1 {
 public static void main(String[] args) throws Exception {
         final int Adult SPrice=20, Kid SPrice=12, SaladPrice=4, DessertPrice=5;
           JTextField Adult SQuant = new JTextField();
           JTextField Kid SQuant = new JTextField();
           JTextField SaladQuant = new JTextField();
           JTextField DessertQuant = new JTextField();
           Object[] message = {
                   "Quantity of Adult Set(s): ",Adult_SQuant,
                   "Quantity of Kids Set(s): ",Kid SQuant,
                   "Quantity of Salad(s): ",SaladQuant,
                   "Quantity of Dessert(s): ",DessertQuant
                 };
         final ImageIcon icon = new ImageIcon(new
URL("https://en.gravatar.com/userimage/198166668/4604ee97c4748ee5712bc758535d884e.png"));
         int option = JOptionPane.showConfirmDialog(null, message, "Order confirmation",
JOptionPane.OK CANCEL OPTION, JOptionPane.INFORMATION MESSAGE, icon);
                 if (option == JOptionPane.OK OPTION) {
                                        Integer.parseInt(Adult_SQuant.getText());
                                        Integer.parseInt(Kid SQuant.getText());
                                        Integer.parseInt(SaladQuant.getText());
                                        Integer.parseInt(DessertQuant.getText());
                               JOptionPane.showMessageDialog(null,"The total is: $"
+(Integer.parseInt(Adult SQuant.getText())*Adult SPrice
        +Integer.parseInt(Kid SQuant.getText())*Kid SPrice
        +Integer.parseInt(SaladQuant.getText())*SaladPrice
        +Integer.parseInt(DessertQuant.getText())*DessertPrice));
                               JOptionPane.showMessageDialog(null,"Thanks for your order.");
                        }
                 else
                               JOptionPane.showMessageDialog(null,"Please come again.");
 }
```

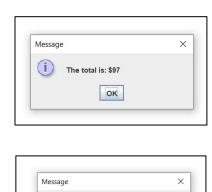
```
| Control | No. | Control | Control
```











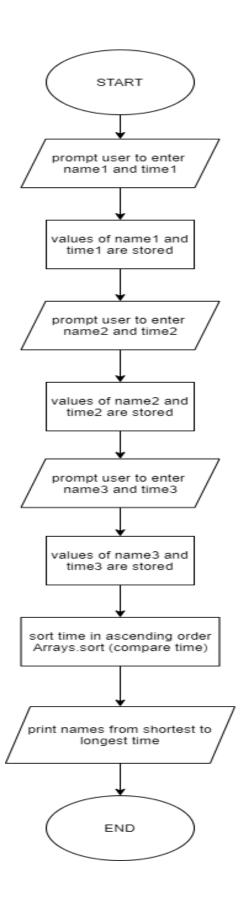
Thanks for your order.

ОК





Question 2



```
import java.util.Arrays;
import java.util.Scanner;
    class Runners implements Comparable<Runners> {
            public String name;
            public double time;
            public Runners(String name, double time) {
        this.name = name;
        this.time = time;
      public String toString() {
            return String.format(" %s: %.2f minute(s) ", name, time);
      }
      public int compareTo(Runners other) {
            return Double.compare(time, other.time);
      }
public class Question2 {
    public static void main(String[] args) {
            final int count = 3;
                 Runners[] runnersData = new Runners[count];
                 Scanner input = new Scanner(System.in);
                    for (int i = 0; i < count; i++) {
                   System.out.println("Enter runner's name and time taken in minutes: ");
                   runnersData[i] = new Runners(input.next().strip(), input.nextDouble());
                    }
                 input.close();
```

```
Arrays.sort(runnersData);

System.out.println(Arrays.toString(runnersData));
}
```

```
Doubtonians X Despite

| Despite (String name) | Despi
```

```
Problems Declaration Console X

<terminated > test (1) [Java Application] C:\Program Files\Java\jdk-15.0.1\bin\javaw.exe (Dec 11, 2020, 10:21:45 PM − 10:22:11 PM)

Enter runner's name and time taken in minutes:

Paul

3.5

Enter runner's name and time taken in minutes:

Steve

3.1

Enter runner's name and time taken in minutes:

Bob

4.1

[Steve: 3.10, Paul: 3.50, Bob: 4.10]
```

```
Problems Le Declaration Console X

<terminated > test (1) [Java Application] C:\Program Files\Java\jdk-15.0.1\bin\javaw.exe (Dec 11, 2020, 10:27:17 PM − 10:27:49 PM)

Enter runner's name and time taken in minutes:

Ali

3.3

Enter runner's name and time taken in minutes:

Ahmad

3.5

Enter runner's name and time taken in minutes:

Raj

4

[Ali: 3.30, Ahmad: 3.50, Raj: 4.00]
```

```
Problems Declaration Console X

<terminated> test (1) [Java Application] C:\Program Files\Java\jdk-15.0.1\bin\javaw.exe (Dec 11, 2020, 10:28:09 PM − 10:29:08 PM)

Enter runner's name and time taken in minutes:

Bart
56.7

Enter runner's name and time taken in minutes:

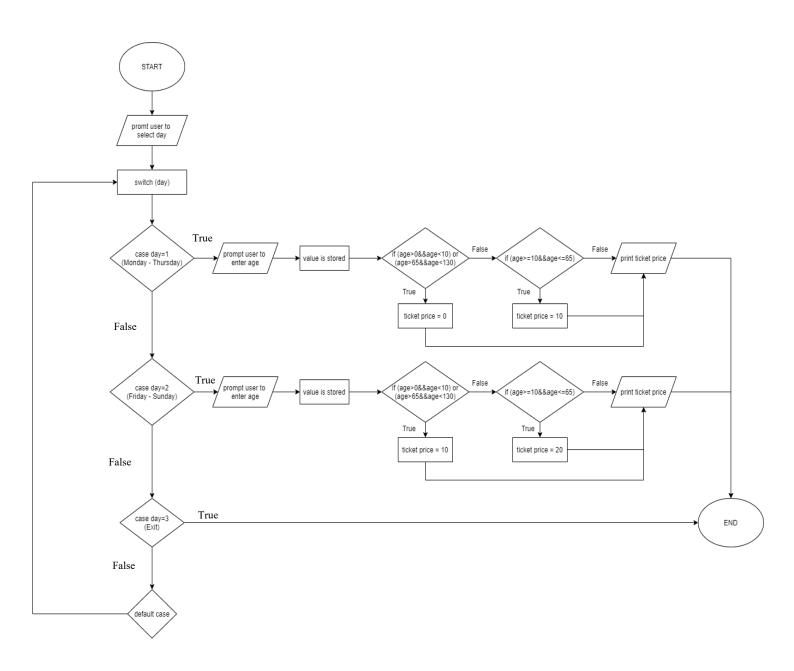
Mel
60

Enter runner's name and time taken in minutes:

Quincy
49.3

[Quincy: 49.30, Bart: 56.70, Mel: 60.00]
```

Question 3



> Code

```
import javax.swing.JOptionPane;
public class Question3 {
  public static void main(String[] args) {
    int day,age;
    do
       String day1 = JOptionPane.showInputDialog("Please select the day"+"\n\n1.Monday -
Thursday"+"\n^2.Friday - Sunday"+"\n^3.EXIT"+"\n^3);
       day = Integer.parseInt(day1);
       switch(day) {
               case 1:
                       String age1 = JOptionPane.showInputDialog("Please enter the age");
              age = Integer.parseInt(age1);
               if ((age>0&&age<10)||(age>65&&age<130)) {
                       JOptionPane.showMessageDialog(null,"The ticket is free.");
               }
                       else if (age>=10&&age<=65) {
                               JOptionPane.showMessageDialog(null,"The price of the ticket is RM10.");
                       }
                               else {
                                       JOptionPane.showMessageDialog(null,"Invalid age.");
                               }
               break;
               case 2:
                       String age2 = JOptionPane.showInputDialog("Please enter the age");
              age = Integer.parseInt(age2);
               if ((age>0&&age<10)||(age>65&&age<130)) {
                       JOptionPane.showMessageDialog(null,"The price of the ticket is RM10.");
               }
```

```
else if (age>=10&&age<=65) {

JOptionPane.showMessageDialog(null,"The price of the ticket is RM20.");
}

else {

JOptionPane.showMessageDialog(null,"Invalid age.");
}

break;

case 3:

JOptionPane.showMessageDialog(null,"Thank you!");

System.exit(0);
default:

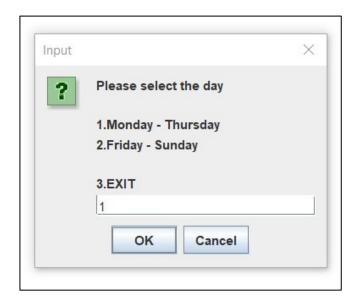
JOptionPane.showMessageDialog(null,"Program will return");
break;
}

while (day !=3);
}
```

}

```
| The control | Section |
```

Example 1











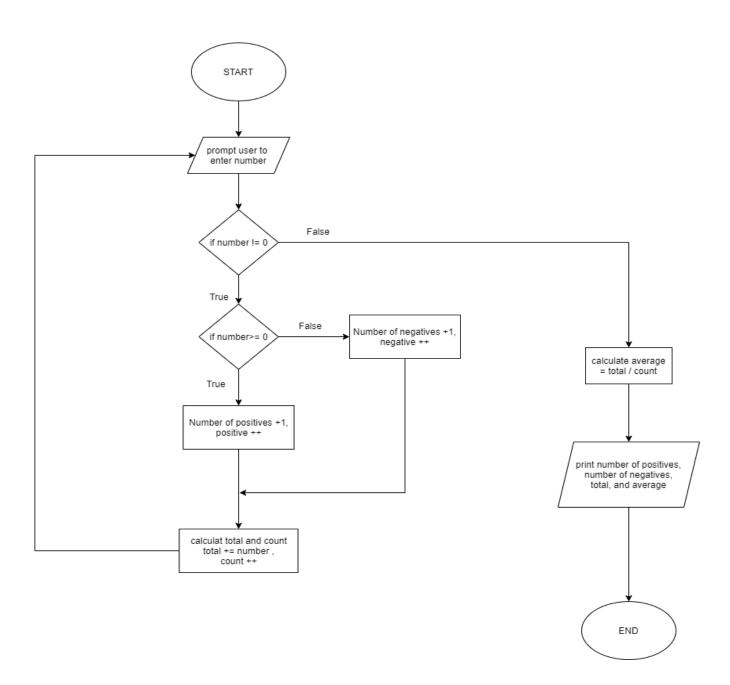








Question 4



> Code

```
import java.util.Scanner;
public class Question4 {
        public static void main(String[] args) {
                Scanner keyboard = new Scanner(System.in);
                        int positives = 0, negatives = 0, count = 0;
                        int number;
                        double total = 0;
                        double average;
                                System.out.println("Enter an integer, the input ends if it is 0: ");
                                number = keyboard.nextInt();
                                        if (number == 0) {
                                                 System.out.println("No numbers are entered except 0");
                                                 System.exit(1);
                                        }
                                                 while (number != 0) {
                                                         if (number > 0)
                                                                 positives++;
                                                         else
                                                                 negatives++;
                                                         total += number;
                                                         count++;
                                                         number = keyboard.nextInt();
                                                 }
                                average = total / count;
                                keyboard.close();
                 System.out.println("\nNumber of positive values: " + positives +
                                                         "\nNumber of negative values: " + negatives +
```

```
"\nTotal: " + total +
"\nAverage: " + average);
```

```
| This is a first source | Potential Nangania | Search | Poperial Name Woodow | Indicated | Indicated
```

}

}

```
Problems Declaration ☐ Console X

<terminated > Question4 [Java Application] C:\Program Files\Java\jdk-15.0.1\bin\javaw.exe (Dec 11, 2020, 11:41:50 PM - 11:42:34 PM)

Enter an integer, the input ends if it is 0:

12

13

18

-45

7

-8

0

Number of positive values: 4

Number of negative values: 2

Total: -3.0

Average: -0.5
```

```
Problems  □ Declaration □ Console  ×

<terminated > Question4 [Java Application] C:\Program Files\Java\jdk-15.0.1\bin\javaw.exe (Dec 11, 2020, 11:42:55 PM – 11:43:25 PM)

Enter an integer, the input ends if it is 0:

-1

4

5

7

-1

8

-10

0

Number of positive values: 7

Number of negative values: 3

Total: 32.0

Average: 3.2
```

```
Problems Declaration Console X

<terminated > Question4 [Java Application] C:\Program Files\Java\jdk-15.0.1\bin\javaw.exe (Dec 11, 2020, 11:43:54 PM - 11:43:57 PM)

Enter an integer, the input ends if it is 0:

No numbers are entered except 0
```