**Algoritham for user data validation and based on repeating the loop.**

1. Create a **class**.
2. Invoke the java **import java.util.Scanner** to take user input.
3. Declare the **data members**

**int a;**

**char c;**

**boolean b1;**

**String str1;**

**double d1;**

**long l1;**

1. Declare another data member as String datatype to take user “yes/no” value to continue the program or not.

**[String reply="yes";]**

1. Print the message for user to enter the value, let say 1st integer value

**System.out.println("please enter the integer number");**

1. Create object to store that user input value passed thru coding process #5

**Scanner sc =new Scanner(System.in);**

**a= sc.nextInt();**

1. Print the result based on the user input.
2. Ask user if he/she wants to continue with the program

**System.out.println("Do you want to continue testing other Data Members yes/no");**

1. Store the user input “yes/no” value

**reply=sc.next();**

1. **In case user says “yes”** means agreed to continue the program.
   1. Henceforth, insert **while loop** **next above the code sr.no 5, with condition:-**
      * + 1. **while(reply.equals("yes")), whereas**
          2. **\*reply is String Data member**
          3. **\*equals is method bracket opens**
          4. **\*String value-“yes” to continue the loop**
          5. **\*bracket close and parantheses { open and close code sr no.9)**
2. **In case user says “No”** means agreed to discontinue the program. Henceforth
   1. **After code sr.no.9, write –**
      1. **System.out.println("Thank you for your Testing the Rajan Test & Trial Version");**