**Practical 4 – Preventive Maintenance**

Q1. Analyse the following codes:

public class Test{

public static void main(String[] args) {

double total = 0.4;

for (int n = 0; n< 100; n++) {

total += 0.4;

}

System.out.println("total = " + total);

}

}

1) Identify the problem of performance/problem when the program is executed.

2) What are the changes we should apply to prevent / solve the problem?

3) Demonstrate your solution.

Q2. Analyse the following codes:

import java.util.\*;

public class Test2{

public static void main(String[] args) {

String combineText="", str;

boolean flag = true;

Scanner sc= new Scanner(System.in);

while (flag) {

System.out.print("Enter the word to combine: ");

String st= sc.nextLine();

combineText = combineText + st;

if(st.equalsIgnoreCase("stop"))

flag = false;

}

System.out.println("The combine text is:" + combineText);

}

}

1) Identify the problem of performance when the program is executed.

2) What are the changes we should apply to prevent / solve the problem?

3) Demonstrate your solution.