**Travaux Pratiques N°1**

**Initiation au langage Java**

**Exercice 3 :**

**1ére méthode :**

public class Reel {

public static void main(String[] args) {

double a = 5;

double b = 10;

double c = 4;

double s = a+b+c;

double m = s/3;

System.out.println("la somme de"+a+"et"+b+"et"+c+"="+s);

System.out.println("la moyenne de" +a+"et"+b+"et"+c+"="+m);}

}

**2éme méthode :**

import java.util.Scanner;

public class Reel1 {

public static void main(String[] args) {

Scanner sc= new Scanner (System.in);

System.out.println("donner a :");

double a = sc.nextDouble();

System.out.println("donner b :");

double b = sc.nextDouble();

System.out.println("donner c :");

double c = sc.nextDouble();

double s = a+b+c;

double m = s/3;

System.out.println("la somme de"+a+"et"+b+"et"+c+"="+s);

System.out.println("la moyenne de" +a+"et"+b+"et"+c+"="+m);}

}

**Exercice 4 :**

**1ére méthode :**

public class Chaine {

public static void main(String[] args) {

String a ="hello";

String b ="every";

String c ="body";

System.out.println("la chaine complete est:" +a+b+c);

System.out.println("la chaine complete est:" +c+b+a);}

}

**2éme méthode :**

import java.util.Scanner;

public class Chaine1 {

public static void main(String[] args) {

Scanner sc= new Scanner (System.in);

System.out.println("donner a :");

String a = sc.nextLine();

System.out.println("donner b :");

String b = sc.nextLine();

System.out.println("donner c :");

String c = sc.nextLine();

System.out.println("la chaine complete est:" +a+b+c);

System.out.println("la chaine complete est:" +c+b+a);}

}

**Exercice 5 :**

public class Tableau {

public static void main(String[] args) {

int tab[]={5,70,60,4,6,8};

int s = 0;

for (int i=0;i< tab.length;i++)

s = s +tab[i];

float m = s/tab.length;

System.out.println("la somme est:"+s);

System.out.println("la moyenne est:"+m);

int s1=0;

int n =0;

for (int i=0;i< tab.length;i++)

if (tab[i]>50){

s1=s1+tab[i];

n=n+1;}

float m1=s1/n;

System.out.println("la moyenne est:"+m1);

int max=tab[0];

int min=tab[0];

int rgmax=0;

int rgmin=0;

for (int i=0;i< tab.length;i++){

if(tab[i]>max){

max=tab[i];

rgmax=i+1;}

if(tab[i]<min){

min=tab[i];

rgmin=i+1; }

}

System.out.println("le rang de max est:"+rgmax);

System.out.println("le rang de min est:"+rgmin);

int aux;

for(int i=0;i<tab.length-1;i++){

for(int j=i+1;j<tab.length;j++){

if(tab[i]>tab[j]){

aux=tab[i];

tab[i]=tab[j];

tab[j]=aux; } } }

for(int i=0;i<tab.length;i++){

System.out.print(tab[i]+" ");}

}

}