Tutorial - 2

① Write a Java program to print "Hello World".

1. Start
2. Import class Hello
3. Print Hello World
4. Stop

Program:

```
class Hello
{
    public static void main (String args[])
    {
        System.out.println ( "Hello World");
    }
}
```

OUTPUT: Hello World

② Write a Java program to print sum of digits of a number.

1. Start
2. Import class, Scanner
3. Input value from user as n
4. Open while loop as n=!0
5. Assign rem = n%10
6. Sum = sum+rem
7. rem = rem/10 , close loop
8. Print sum
9. Stop

Left Column

Program :-
```java
import java.util.*;
class Sum of digits
{
    public static void main(String args[])
    {
        Scanner S1 = new Scanner(System.in);
        System.out.println("Enter the digit:");

        int num = S1.nextInt();
        int sum = 0;
        while(num != 0)
        {
            int rem = num % 10;
            sum = sum + rem;
            num = rem / 10;
        }
        System.out.println("The sum of digits is:" + sum);
        S1.close();
    }
}
```

OUTPUT
Enter the digit: 123
The sum of digits is: 6

(3) Write a Java program to print n numbers without using array.

1. Start
2. Import class sumn, new Scanner.
3. Accept the limit n & ~~numbers from user~~.
4. Open for loop and accept the numbers from user.
5. sum = sum + num
6. Print sum
7. Stop

Right Column

```java
import java.util.*;
class sum n
{
    public static void main(String args[])
    {
        int n, num, i;
        int sum = 0;
        Scanner S1 = new Scanner(System.in);
        System.out.println("Enter the limit:");

        n = S1.nextInt(); System.out.println("Enter numbers:");
        for(i = 0; i < n; i++)
        {
            System.out.println("Enter the numbers:");
            num = S1.nextInt();
            sum = sum + num;
        }
        System.out.println("The sum of the given
                            numbers is:" + sum);
        S1.close();
    }
}
```

OUTPUT:
```
Enter the limit: 3
Enter numbers:
1
2
3
The sum of the given numbers is: 6
```