**Day 9**

**Types of methods:**

There are two types of methods in Java. They are:

1. Static method
2. Non-Static method/ Instance method

**Static method:**

* A method that has static keyword is known as static method.
* In other words, a method that belongs to a class rather than an instance of a class is known as a static method.
* We can also create a static method by using the keyword **static** before the method name.
* The main advantage of a static method is that we can call it without creating an object.
* It can access static data members and also change the value of it.
* It is used to create an instance method.
* It is invoked by using the class name.
* The best example of a static method is the main() method.

Eg: static void show()

Class Sample

{

Static void show()

{

System.out.println(“Static Method”);

}

public static void main(String args[])

{

show();

}

}

**Instance method:**

* The method of the class is known as an **instance method**.
* It is a **non-static** method defined in the class.
* Before calling or invoking the instance method, it is necessary to create an object of its class.

class A

{

int s;

public int add (int a, int b)

{

s= a+ b;

return s;

}

Public static void main(String args[])

{

A obj= new A();

System.out.println(“The sum is :”+obj.add(10,20));

}

}