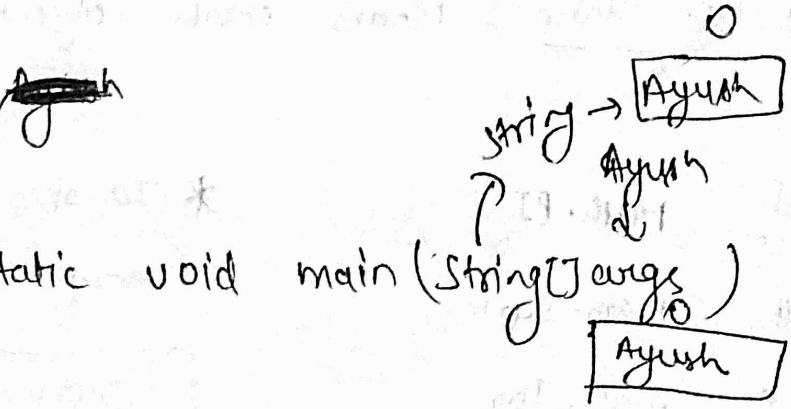
-: Accepting Input from User :-

In Java, we have 3 popular way of accepting input from user.

1) Using Command line Argument
2) Using "Scanner" class
3) Using GUI Control (used in project)

1) Using Command line argument :-

```
class Test Ayush
{
    public static void main(String[] args)
    {
        System.out.println("Hello" + args[0])
    }
}
```



Java Test Ayush

Command

Hello Ayush

Convert String to int

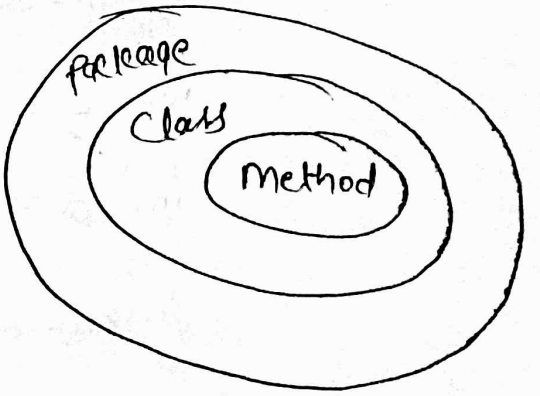
To Convert a String to an int we have to call a ~~prefined~~ predefined method in java known as

→ parseInt() → Static Method

This method belong to a class called "Integer".

In java int → data type

Integer → class



public Static int parseInt (String)

- public → access Modifier (access outside the class also)
- Static → No Need to create Object
- int → Return type
- parseInt → Method
- (String) → argument type

Syntax :-

a = Integer.parseInt(args)

~~Integer.P~~

Example → Integer.parseInt (String)

```
class Main
{
    public static void main(String [] args)
    {
        String a = "10";
        String b = "20";
        System.out.println (a+b);
        int c = Integer.parseInt (a);
        int d = Integer.parse Int (b);
        System.out.println (c+d);
    }
}
```

Str + Str → Str

String type → Concetinate

change into int

change into int

int + int → int

```
1020
30
```

Example Double.parseDouble(String)

Means In this double value Contain

```
class Main
{
    public static void main(String[] args)
    {
        String a = "10.7";
        String b = "20.2";
        System.out.println(a+b);
        double c = Double.parseDouble(a);
        double d = Double.parseDouble(b);
        System.out.println(c+d);
    }
}
```

→ String Concatinate

→ Convert to double

→ Convert to double

double + double = double

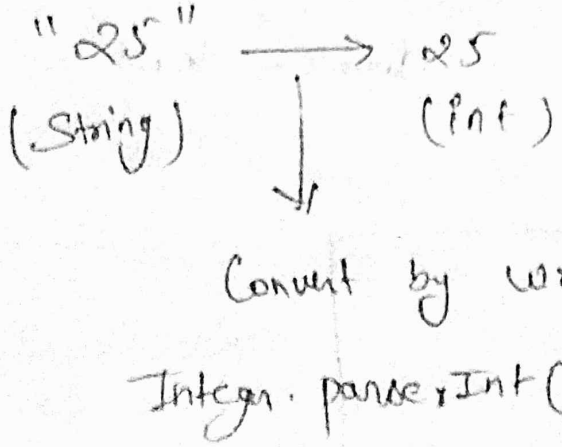
```
10.720.2
30.9
```

In Java every data type has this type of class & the name of this class ~~Beper classes~~ wrapper classes

like

- Integer.parseInt(String)
- Double.parseDouble(String)
- Byte.parseByte(String)

⋮ for all data type this type of Class



☆ Char has No Method !

~~Two uses of wrapper classes :-~~

1. ~~int a = 10;~~

To Convert a primitive ^ datatype into object :-

Example
int a = 10;
↓
Integer obj = a; → object
(object)

Example :-
double a = 10.2;
↓
Double obj = a;
(object)