Command Line Arguments

➢ It is the process of passing the values to the program by the time of execution along with classname [prgname]

➢ The values which we passing through command line those values will be stored in the "args[ ]" of main( )

➢ "args[ ]" is SDA and it is dynamic

➢ The size of "args[ ]" will be increased based on the values which we are passing by the time of execution java program

➢ We can pass N no.of arguments and any type of arguments but JVM treat them as "String" Only

➢ We can pass N no.of arguments but each argument should be separated by a space

➢ While passing strings recommended to have them into " " marks

Example:
```
//Cmd.java
class Cmd
{
        public static void main(String args[ ])
        {   //args[ ] is local to main( )
    System.out.println
                ("total cmd line args : "+args.length);
        System.out.println("First : "+args[0]);
        System.out.println("Second : "+args[1]);
        }
}

//javac Cmd.java
//javac Cmd 10  java.lang.ArrayIndexOutOfBoundsException
```

Example 2:
//Cmd2.java

```
class Cmd2
{
        public static void main(String args[ ])
        {
    System.out.println("App-1");
            for(int i=0; i<args.length; i++)
            {       System.out.println(args[i]); }

            System.out.println("App-2");
            for(String j:args)
            { System.out.println(j); }
        }
}
```

//javac Cmd2.java
//java Cmd2 10 20 30 40 50
//java Cmd2 10 2.3f 30 "shashi kumar" sssit

Example 3:
//CmdSum.java
```
class CmdSum
{
        public static void main(String args[ ])
        {
    int x=(int)args[0];
        int y=(int)args[1];
        }
}
```

//javac CmdSum.java
//java CmdSum 10 20

Note :

> We can't convert string type values to any primitive type using ordinary typecasting approach but we can achieve by using parsing methods from Wrapper classes

Wrapper Class   **Methods**
=====================================

                                 public static
Byte   **byte parseByte(String);**
Short   **short parseShort(String);**

Integer   **int parseInt(String);**
Long   **long parseLong(String);**

Float   **float parseFloat(String);**
Double   **double parseDouble(String);**

Boolean   **boolean parseBoolean(String);**

Note: All Warapper classes are from java.lang and they are implemented by java.lang.Comparable(i)

Example :
```
//CmdSum.java
class CmdSum
{
      public static void main(String args[ ])
      {
    int x=Integer.parseInt(args[0]);
      int y=Integer.parseInt(args[1]);
      int s=x+y;
      System.out.println("Sum is : "+s);
      }
}
```

```
//javac CmdSum.java
//java CmdSum 10 20
```