**Scanner class:-In generally we used Scanner class to read character data they coming from the command prompt, Scanner class present in java.util package.**

**This class introduce in java 1.5 version.**

**To get Scanner class object:-**

**Scanner sc=new Scanner(System.in)**

**Most important method of Scanner class:-**

**public XXX nextXXX() method**

**where XXX value may be Int, Byte, Short, Boolean, Float, Line...**

1. **public int nextInt()**
2. **public boolean nextBoolen()**
3. **public String next()**
4. **public String nextLine()**

**Example:-1**

**import java.util.\*;**

**public class ScannerDemo**

**{**

**public static void main(String[]args)throws Exception**

**{**

**Scanner sc=new Scanner(System.in);**

**System.out.println("Enter Name of Student");**

**String sname=sc.next();**

**System.out.println("Enter Id of Student");**

**int sid=sc.nextInt();**

**System.out.println("Enter Address of Student");**

**String saddr=sc.next();**

**System.out.println("Student Name:"+sname);**

**System.out.println("Student Id:"+sid);**

**System.out.println("Student Address:"+saddr);**

**}**

**}**

**Command Line Argument:-line arguments:**

**The arguments which are passing from command prompt are called command line arguments.**

**The main objective of command line arguments is customize the behaviour of the main() method.**

**Example:-**

**class Test**

**{**

**public static void main(String[] args)**

**{**

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

**{**

**System.out.println(args[i]);**

**}**

**}**

**}**

**java Test A B C**

**Output:- ArrayIndexOutOfBoundsException: 3**

**Note:-Replace i<=args.length with i<args.length then it will run successfully.**

**Within the main() method command line arguments are available in the form of String hence "+" operator acts as string concatenation but not perform arithmetic addition.**

**Example:-**

**class Test**

**{**

**public static void main(String[] args)**

**{**

**System.out.println(args[0]+args[1]);**

**}**

**}**

**Output:-**

**javac Test.java**

**java Test 100 200**

**Output:-100200**

**Space is the separator between 2 command line arguments and if our command line argument itself contains space then we should enclose with in double quotes.**

**Example:-**

**class Test**

**{**

**public static void main(String[] args)**

**{**

**System.out.println(args[0]);**

**}**

**}**

**Output:**

**javac Test.java**

**java Test "GLA UNIVERSITY"**

**Output:-GLA UNIVERSITY**