Lecture 9 Input & Output in Java

How to take Input from User: -

There are many ways to take input from users but the most commonly used method is Scanner Class.

We can take input from user using classes like Scanner Ruffered Reader or Console.

> Buffered Reader and Console, methods to take input from over are obselete. Now-a-days mest commonly used method is using Scanner class.

NOTE: - If you use console class to take input then it will not work in the ide's like Intellis, Eclipse as they don't provide a real console If you really want to use console class then you wall need to non your Java Program from a terminal

-> Scanner class was introduced in Java 5 (JDK1.5) -> Sanner class is located in the Java. Util package

- There are so many methods weithin Scanner class.

Constructor Scanner scanner = new Scanner (System.in) keyword takes input from keyboard Class object home

7 int a = Scanner nextInt(); int b = scanner. nextInt();

nextint -> scans the next token of the input as an int



Albert MANNER MONTH BOOK BY

float x = scanner. nextfloat, ();

used to take float as Input

String sto = danner. next();

System-out-pointln (str); hext() method is used to read

a single word or token as a string L) In this case it we give from the input. It only reads untill it

finds a whitespace, tabox a new line. Jenny khatoj

It reads one word at a time then it will only take

Jenny as injout

points:) next() reads input until it encounters a delimiter (space, tob,

-) It is useful when you want to capture individual tokens from a sentence. String Storl = danner. nextLine ();

nextlinel) method reads the entire line of input, including opaces until the user presses enter.

byk y = scanner. nextByte();

Liscans the next token of the Some other Methods: input as a byte. It well thoow nextShort()

an Input Mismatch Exception if the next nextlong() token can not be tognished into a valid

byk value.

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Leturs true if the next token in this scanners input can be interpreted as an int value. (within int range)

ej:-

boolean is Int = scanner. has Next Int(); System.out.pointln (is Int);

If you input here: -> 2147483649 then of pould be fake because the given number is not weithin the range of int.