_	EDGH		
_	Java Course By Code With Harry		
Java is an Object Oriented programming language developed by Sum Microsystems of USA in			
	It was originally called Oak by James Gostin one of the inventors of Java!		
	JAVA = Purely Object Oriented		
	How JAVA Works? Java is compiled into the bytecode and then it is interpreted to machine code		
	Source Compiled by te code Interpreted Machine Code		
	JAVA Installation. Go to Google & type "Install JDK" => Installs JAVA JDK Go to Google & type "Install Intellia Idea" => Installs JAVA IDE		
	JDK -> JAVA Development Kit = Collection of tools used for developing and running Java programs		
	JRE -> JAVA Runtime Environment = Helps in executing programs developed in JAVA		
_			

	Public ka use iseliya karta hai taki ham throughout function uska
	bhi bhi use kar saka. Jab bhi ham class ka use bina object define kiya karat hai then
	atic ka use hota hai.
**	Alwaus return tupe void hi hota hai iseliua void ka use k <u>arta ha</u> i.
	Basic Structure of a Java Program
	Colorabated
1/1/2	package Com Company; -> Groups classes! Entrypoint into the application
11616	
	public class Main & * "command line"_
	public Static Void main (String 11 orgs) 3 argument" baki computer language
	System. Out . println ("Hello World"); mai otional hota hai
	but java mai
	compulsoru hota hai-
	S minuted in the Court - 1787
	Naming Conventions
→	For classes, we use Pascal Convention First and Subsequent
	Characters from a word are Capital letters (upperuse)
	Example:
	Main, My Scanner, My Employee, Code With Harry
\rightarrow	For functions and variables we use camellage Convention.
	For functions and variables, we use camellase Convention. Here first character is lowercase and the subsequent Characters are uppercase like below: main, my Scanner, my Marks, Code With Harry
	Characters are uphercose like helessi
415.1	Manager and appropriate use below.
	main, mystanner, my Marks, Code With Harry
- 10	
	174
	- in charle = and hamployelf AVAL + 1/11
56 1 7	I wanted but a street of late
- 1	
N. A. A. L. A. A.	the state of the former or second All - Ill

Skeleton of JAVA Program isko import karna optional hota hai, but agar ham nahi bhi likha to automatically import java lang. *; C:> javac First-java import ho jata hai Class First public static void main (String args[]) First dass C:\> java First System.out. println ("Hello World");





- outvon function name
- · public -> access modified
- static → allows to call this method without oreating an object of
 void → active type
- · void -> return type · main -> function name.

7 list

string[] args

command line argument



Reading from Keyboard

import java larg *;

Scanner ka use karna ka liya ise lib. ko importnat karna hota hai.

Sum is 25

class KeybRead

Ya statement aisa hi as it as use karta ha 🗀 input ka liya. Bas "s" ka place par kuch bhi declare kar sakta hai as per rule.

public static void main (String args[])

Scannel s=new Scanner(systemin)

int a,b,c;

System.out-peintln ("Ender 2 noi);

a = s.nextInt();

b = s. newInt();

Czatb;

S.o.p ("sum is" + ();

class Scanner

neztInt()

next Float ()

next Double()

next()
nextLine()

nextByte()

next Short ()

nextlong()

next Booleam ()

has Nentfloat()

di ...

Method	`next()`	`nextLine()`
Description	Reads the next token (word) from the input	Reads the entire line (until newline) from the input
Input Format	Parses the input until the first delimiter (by default, whitespace)	Parses the input until the end of the line (including any whitespaces)
Usage	Useful for parsing individual words or tokens	Useful for reading entire lines of text
Behavior on Spaces	Stops reading at the first whitespace encountered	Reads all characters until the newline, including spaces
Example	If the input is "Hello World", `next()` will return "Hello"	If the input is "Hello World", `nextLine()` will return "Hello World"

```
import java.util.Scanner;
     public class wlc
         Run | Debug
         public static void main (String[] arg )
6
             Scanner sc=new Scanner(System.in);
             System.out.print(s:"Enter your name = ");
             String name;
             name = sc.nextLine();
10
             /*ya par nextLine ka use iseliya kiya hai taki ham
11
               ek sa jayda word ka print kar saka */
12
             System.out.println("Welcome "+name);
13
14
15
16
17
18
```