**Java Enums**

An enum is a special "class" that represents a group of **constants** (unchangeable variables, like final variables).

To create an enum, use the enum keyword (instead of class or interface), and separate the constants with a comma. Note that they should be in uppercase letters:

package JavaClasses;

public enum *Enums* {

***A***,***B***,***C***,***D***

}

**Enum** is short for "enumerations", which means "specifically listed".

public class EnumClass {

public static void main(String[] args) {

//Accessing single element

*Enums* word = *Enums*.***A***;

System.***out***.println(word);

//Accessing multiple elements using for each loop

for (*Enums* wordsEnums : *Enums*.*values*()) {

System.***out***.println(wordsEnums);

}

}

}

Output:

A

A

B

C

D

**Scanner**

Scanner is java in-built class which is used to take input from users. This class is found in java.util package.

To use the Scanner class, create an object of the class and use any of the available methods found in the Scanner class documentation. In our example, we will use the nextLine() method, which is used to read Strings:

|  |  |
| --- | --- |
| **Method** | **Description** |
| nextBoolean() | Reads a boolean value from the user |
| nextByte() | Reads a byte value from the user |
| nextDouble() | Reads a double value from the user |
| nextFloat() | Reads a float value from the user |
| nextInt() | Reads a int value from the user |
| nextLine() | Reads a String value from the user |
| nextLong() | Reads a long value from the user |
| nextShort() | Reads a short value from the user |

package JavaClasses;

import java.util.Scanner;

public class UserInputScannerClass {

public void Input() {

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

System.***out***.println("Enter any number: ");

try {

String name = scan.nextLine();

System.***out***.println("Your name is: "+ name);

}catch (Exception e){

System.***out***.println("Invalid input");

scan.close(); //TO close the warning : Resource leak scan

}

}

public static void main(String[] args) {

UserInputScannerClass objClass = new UserInputScannerClass();

objClass.Input();

}}

Output:

Enter any number:

Akshay

Your name is: Akshay