Wrapper Classes

The data Received by the server from the client must in the form of object…the data may be pin number, name, address….but name is string type object number is int but it is value…it is not an object ….so that this primitive data type should also converted into object and then sent to the server…to do this conversion we need wrapper classes…………

A Wrapper class contains a field where it stores the primitive data type ….. when we create an object to the wrapper class it carries the primitive data type within it ….and the object will be sent to the server

Defination:

A wrapper class is a class whose object wraps or contains a primitive data type….When we create an object to the wrapper class it contains a field and in this field we can store a primitive datatype….

|  |  |
| --- | --- |
| **Primitive** | **Wrapper class** |
| char | Character |
| Byte | Byte |
| Int | Integer |
| Float | Float |

**Number class**

**Number is an abstract class whose subclasses are**

**Number class Methods**

**byte byteValue()…Converts the calling object into Byte vlaue**

**short shortValue()…**

**int intValue();**

**Character class:**

**A character class has only one constructor which accepts primitive data type….**

*Character(char ch)*

**Creation an object to the character class:**

**Character obj=new Character(‘A’);**

**Char charValue()….it is used to convert character class object again into primitive char value…**

**Static Character valueOf(char ch)…..converts a single characrer ch into character object and returns that object**

**Static boolean isLetter(char ch)…return true if given char is Letter(A\_Z and a-z)**

**Static boolean isUpperCase(char ch)**

**Static boolean isLowerCase(char ch)**

**Static boolean is Digit(char ch)**

**Static char toUpperCase(char ch);**

**Static char toLowerCase(char ch);**

**Static boolean isSpaceChar(char ch)**

**Static boolean isWhitespace(char ch)..Tab or Enter or BackSpace**

import java.io.\*;

class Demo

{

public static void main(String args[])throws IOException

{

BufferedReader br=new BufferedReader(new InputStreamReader(System.in));

char ch;

System.out.println("Enter the charactor");

ch=(char)br.read();

System.out.println("Entered Char is :");

if(Character.isDigit(ch))

System.out.println("Digit");

else if(Character.isLetter(ch))

System.out.println("Letter");

else if(Character.isWhitespace(ch))

System.out.println("White space");

else

System.out.println("Some Symble");

}

}