Dt : 24/8/2022

faq:

define return_type?

=>return_type specify the methods will retrun the value after execution or not.

=>based on return_type the methods are categorized into two types:

1.Non-return_type methods

2.return_type methods

1.Non-return_type methods:

=>The methods which will not return any value after method execution are known as Non-return_type methods.

=>The methods which are declared with "void" are known as Non-return_type methods

2.return_type methods:

=>The methods which return the value after method execution are known as return_type methods.

=>The methods which are declare without "void" are known as return_type methods.

=>we use 'return' statement to return the value after method execution and the returned value will come back to the methodCall.

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faq:

define parameters?

=>Parameters are the variables which are used to transfer the date from method to another method.

=>based on Parameters the methods are categorized into two types:

1.Methods without parameters

2.Methods with parameters

1.Methods without parameters:

=>The methods which are declared without parameters are known as 0-parameter methods or Methods without parameters.

2.Methods with parameters:

=>The methods which are declared with parameters are known as Parameterized methods or Methods with parameters.

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**imp*

Reading Input to Java Programs:

=>we use the following pre-defined instance methods from 'java.util.Scanner' class to read data to Java programs:

1.nextByte()

2.nextShort()

3.nextInt()

4.nextLong()

5.nextFloat()

6.nextDouble()

7.nextBoolean()

8.nextLine()

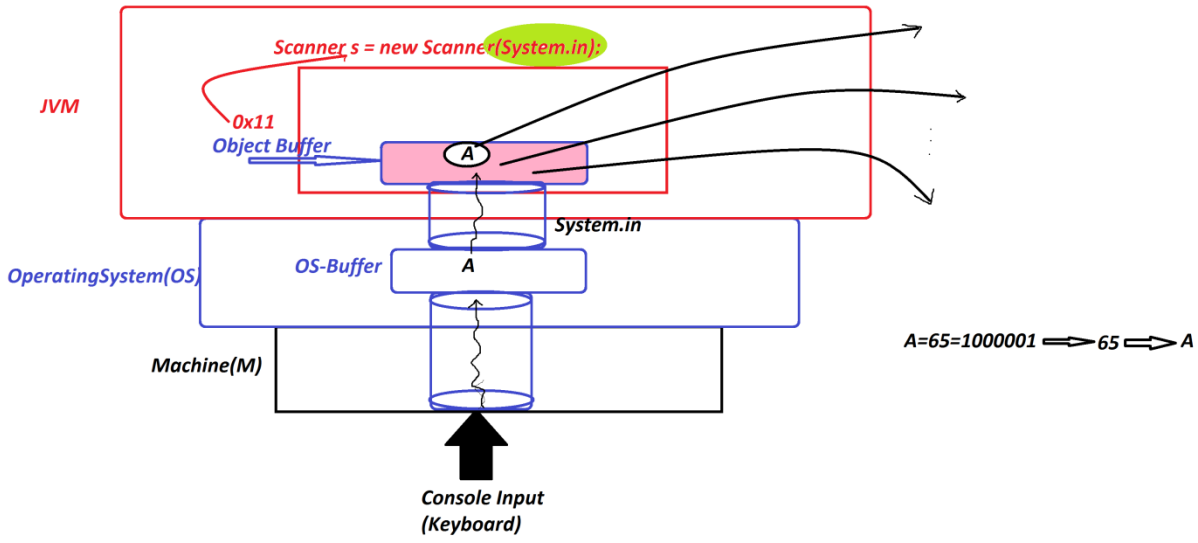
=>All these instance methods will get the memory within 'Scanner' object and can be accessed with object name.

syntax of Object creation for 'Scanner' class:

Scanner s = new Scanner(System.in);

=>"System.in" in java represent connecting OS-Buffer to Scanner class Object

Diagram:



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Syntax of methods:

1.nextByte() : This method is used to read byte data

Method Signature:

public byte nextByte();

syntax:

byte var = s.nextByte();

2.nextShort() : This method is used to read short data

Method Signature:

public short nextShort();

syntax:

short var = s.nextShort();

3.nextInt() : This method is used to read int data

Method Signature:

public int nextInt();

syntax:

int var = s.nextInt();

4.nextLong() : This method is used to read long data

Method Signature:

public long nextLong();

syntax:

long var = s.nextLong();

5.nextFloat() : This method is used to read float data

Method Signature:

public float nextFloat();

syntax:

float var = s.nextFloat();

6.nextDouble() : This method is used to read double data

Method Signature:

public double nextDouble();

syntax:

double var = s.nextDouble();

7.nextBoolean() : This method is used to read boolean data

Method Signature:

public boolean nextBoolean();

syntax:

boolean var = s.nextBoolean();

8.nextLine() : This method is used to read String data

Method Signature:

public String nextLine();

syntax:

String var = s.nextLine();

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