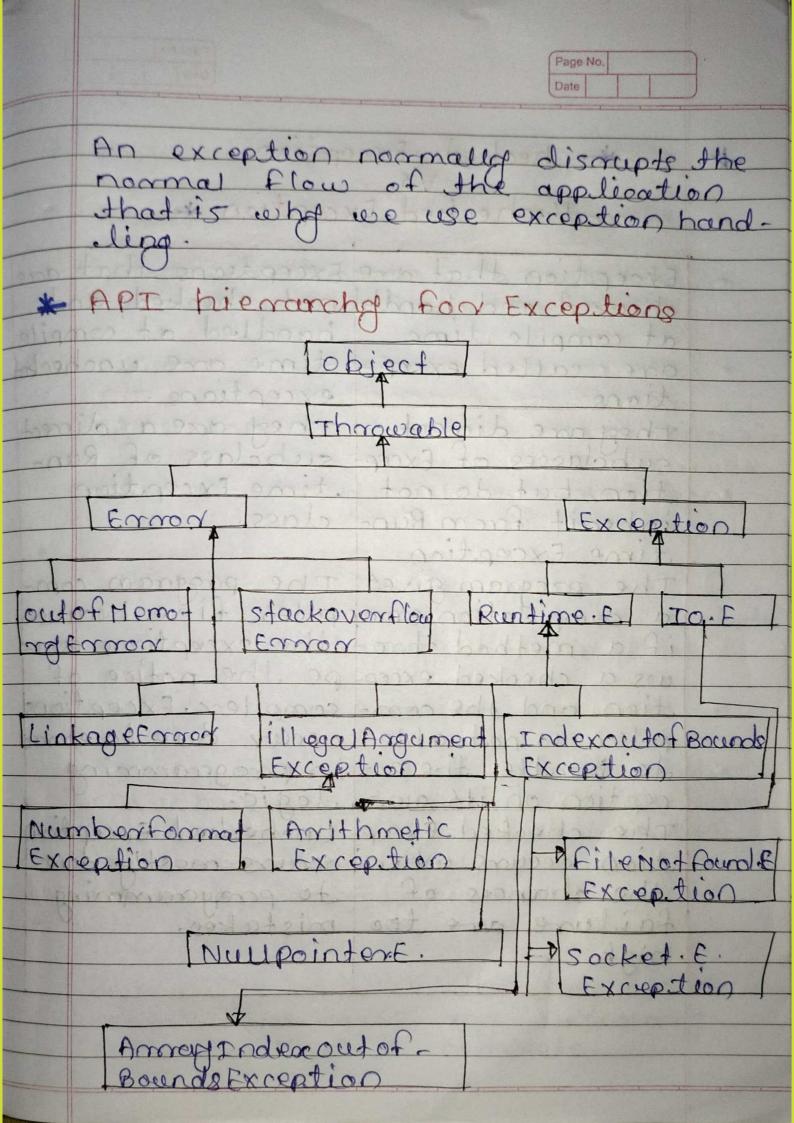


- * This and super constructors
- · this co and super co are used to call constructors explicitly.
- 1. Using this c) you can call the current class's constructor
- 2. Using superco you can call the constructor of the super class.
 - * Exception:
 - What? Why ? How? To reget
 - In Java, an exception is an event that disrupts the normal flow of the program . It is an object which is thrown at runtime.

Exception Handling is a mechanism to handle mentione emons such as class Not Found Exception, IOException, sole exception, Remote Exception, etc.

The core advantage of exception handling is to maintain the normal flow of the application

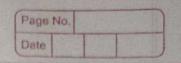


* checked Exception

Unchecked Exception *

Exception that are Exceptions that are checked and handled not checked and at compile time handled at compile are called exceptime are unchecked tions. exceptions. They are direct They are a direct subclasses of Excep-subclass of Runtion but do not time Exception inherit from Run- class. time Exception. The program gives The program com-a compidation error piles fine because if a method thro- the exceptions escaws a checked excep- pe the notice of tion and the com- compiler. Exceptions piler is not able occur due to emma to handle the ex- in programming reption on its own, logic. The checked Except unchecked Exception

tion occurs when occurs mostly due the chances of to programming failure are too mistakes.



* Kegwords for Java Exceptions

· Throws

describes the exceptions which can be raised by a method

. throwing, troposon and applicate

Raises an exception to the first available handler in the call stack, unwinding the stack along the way.

· Trg

Marks the Stant of a block associated with a set of exception handlers.

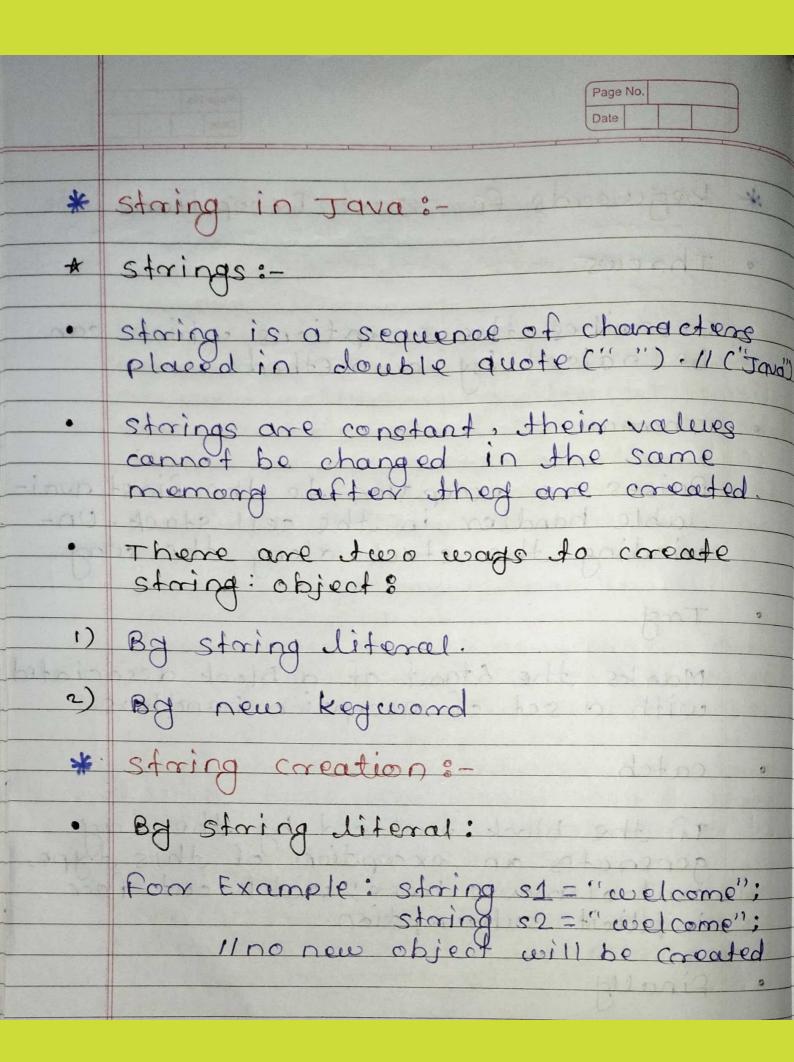
- Stamphoropolonia *

catch

If the block enclosed by the tart generates an exception of this type, control moves here; watch out for implicit subsumption.

· Finally

Always called when the try block concludes, and after any necessary catch handler is complete.



· By new keyword:

For Example:

string s = new string ("sachin"); string s = newstring ("sachin Tendulkar"); Il create two objects and one reference variable:

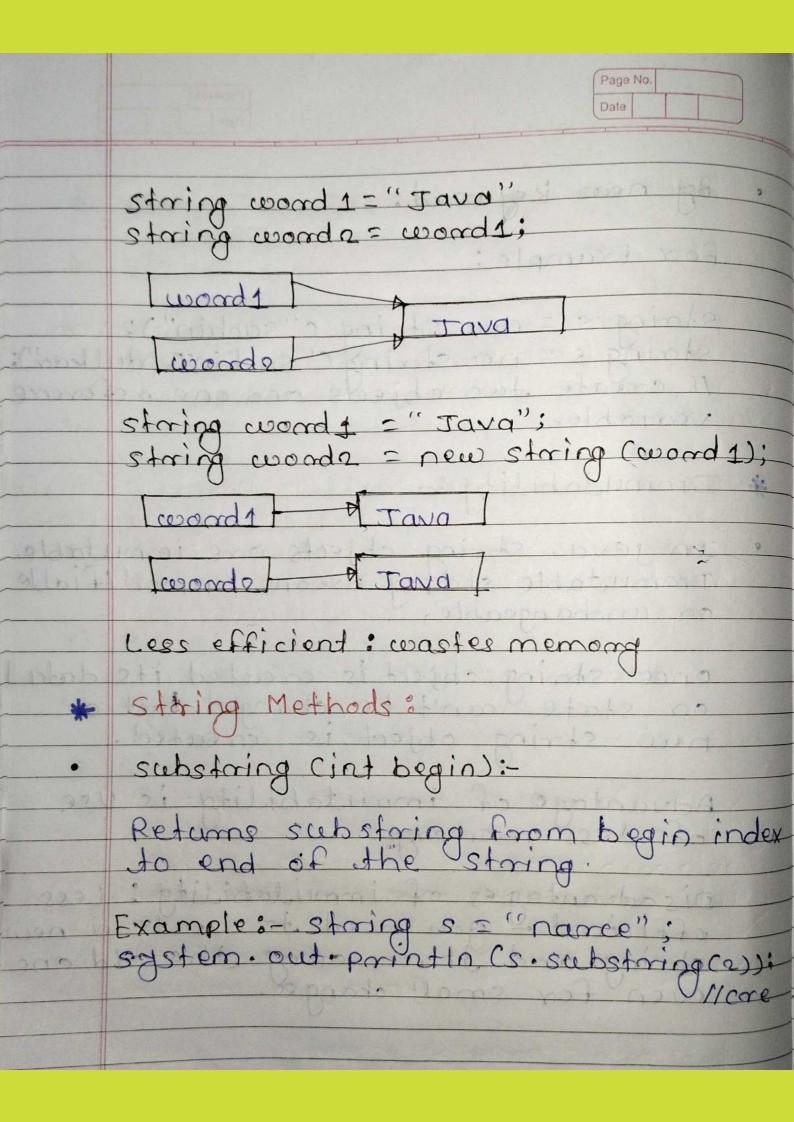
Immulability:-

· In java, string objects are immutable. Immutable simply means unmodifiable or unchangeable.

once string object is created its data or state can't be changed but a new string object is created.

Advantage of immetability is use of less memory.

Disadvantages of immulability: Less efficient - you need to create a new string and throw away the old one even for small changes.



Example: - string s="Java"; System. cut. println Cs. equals ("java"); //true concat ():- Adding two strings we use this method Example: - string s="nacre"; s=s. concat ("software"); system. out. println (s); // nacresoftware . Length (), charAt () int length (); Returns the number of characters in the string characters in the string character positions in strings are numbered starting from 0-just like Amades		
· equals ():- To perform content comparision where case is important. Example:- string s="Java"; System. cut. println Cs. equals ("java"); Iltrue · concat ():- Adding two strings we use this method Example: string s="pacre"; S 2 s. concat ("software"); System. cut. println (s); // nacresoftware · length (). charAt () int length (); Returns the number of characters in the string characters in the string character positions in strings are numbered starting from 0-just like Arracters atts.		
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* stringBuffer:-

- · stringBuffer is a synchronized and allows as to mutate the string.
- · string Buffer has many utility methods to manipulate the string.
- · This is more weekel when using in multi-threaded environment.
- · Always modified in same memong Jocation:
- Methods :- Don't ton mot sons
- 1) Append 2) Insert
- s) pelete 4) Reverse s) Replacing character at given index.

* stringBuilderis-

- stringBuilder is the same as the string-
- · The stringBuilder class is not synchronized and hence in a single Ahmeaded environment, the overhead is less than using a stringBuffer.

StringTokenizer

A token is a position of a string that is separated from another portion of that string by one or more chosen characters called delimiters.

The stringTokenizer class contained in the java. util package can be used to break a string into separate te tokens. This is particularly use. ful in those situations in which we want to read and process one token at a time; the BufferReader class does not have a method to read one token at a time.

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