Day 6 Java Ant. - Questions (Theory)

It is a data type that represents texual data and is used to ktore and manipulate text in a program. Strings are commonly used for Btrings Storing and working with words, bentences and other textual information.

Example - String message = "Hello world";

2) In java we have built in string methods from that to find the length of String

for example,

String name = "kumoreban"; wht name_length = name.length(); System out-println (name_length);

Variable, length ();

(3) In java, you can use charat() method. The method allows you to reterive the page No. within the string. The under starts at 0 for the first abaracter at a specific index within the extring. The videx starts at a for the first character and goes up to length-1 for the last character cof the strung. String message = "Hello world"; eg., char character = message charat(7); System out printly ("character at Index 7:"+ sharacter); (4) In java, you can split astring into multiple parts using split() method of the string class this method divides a string into an away of substrings based on a specified diameter delimeter Here as example. String mestage = "Hello, world"; String [] parts = message split (" for (String part: parts) { System out pringle (part); } In jours, literal letring refers to a string that is speafied directly into the source code within quotes (e.g., "Hello, world!"); when jours compiler encounters a literal string. String object with the specified value creates a for example, String name = "kumarwan"; non-literal strings are not automatically interped Each non-literal String object is distinct and their contents are the barne. This means that non-literal strings created dynamically will have different memory locations, ever if they have the same value.

6 In jours, a mutable string us a string object-whose values can be changed after and is created on the other hard, an unmutable string is a string object whose walve counst be changed ance it is created for example, String is = "hello"5 String ms = new String ("Hello"); is = is + "world"; mo append ("would"); Syso(is); Sysocms); 1 Both string Builder and String Buffer are They are bimiliar in functalities, but there is core key difference between String Builder is Synchronized nonthread safe whereas string Buffer is non-Synchronized thread safe. Method to identify the memory location is hash code();

toUpper Case C), to hower Case (), Starts With ()
ends with (), index of () last Index Of ()
equals (), equals Ignore Case (), length ()
contains (), concat(), charat (),
to charatroup (), replace (), is Empty (),
is Blank (), split (), trim (), substring ()

(10) charAt () is a string method is used to
the first the inharacter at the specific
under the return type of the charAtu
method is char
for eg:

String name = "kumareban";

char first = name charAt(i);

Syso(first);

contains() is a string method is used to
Specified word is present or not the

retur	type of the contains () is 1000xecur-
for	Page No.
	otring name = "Kumareban L"
	String name = "Kumaresan L"; boolean check = name contains ("L");
	syso(chak);
(1) The	e return type of compareto () method is int
(2)	String literal memory stores - String
	String literal memory stores - String Constant pool (SCP) wheras non-literal Istring memory stored in heap memory
(3)	ASCII (American Standard Code for Information Interchange) is a character encoding scheme that represents characters as numeric codes It is a widely used encoding standards.
	ASCII value 65 represents letter A (UC) ASCII value 6 97 represents letter a (LC)
The same of the sa	