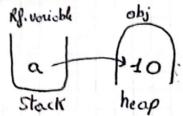
String & String Builder

· Stek memory: vouchling: inta = 10 so, the reference veriable is stord in Slock memory.



(E) Heep memory: Reference yor is stood in stock of that voriable ore stand in heop memory.

· gorbage Collection

. More than one reference variable point to the some obj.

on reference or that will be referenced to

all others pointing to the some obj. If there on obj Milmout reference von thon the obj will be disibled by gerbage

(, that how gorboge collection Work.

· Whol's stung!

. " string Will be in double quest".

string is a sequence of conoclors

it a dolatype not a primitives.

· Syntax:

Note: String nom = "ilyone youres"; evryting stort with . a copitale letter is a Clone.

· Evry string that you exect its octuoly on obj of type string.

structure in ride the heop. Why speased pool " why not just putting it moundy in the kype like other obj ?

is All similar value of string one not recreated in the pool.

String a = "ilyone"; string b = "ilyone";

Use Core: it make the peogeomme Optimised .

> Stock: . it performs type cheking of Compiling Line

. crows will show at compoling time

. Declore data type before yourse it. . Hore Control & Runtime emors or reduced.

-> Heop: · performs type cheking of run

. Here, cross might not shown of

Whin the program runs. . No need to declare a dotatype of a voicble.

. it sove time in coding but it might give errors of run time. If you try to change this ob; via this reference vor Will it not change . Why

· String immulobility:

- string ore immutable in Jova

to creat a new obj for that.

- string one immutible for security purpose.

Persone 1 ._ Person 2___ Person 3-

(s if we ollow P1 to change to you nes then off P2, P3, will change in dota bose .

· Comporcison of String: == melhode

a _ "younes" } a == b will give

b younes" } a=b will give

+ Compositor a tully check for volue and Reference vor if it pointing to the some obj .

How to read diff obj of some volue? string a = new string ("abe"); string b = new string ("obe");



+ When you need to cheke oby for volue Une equal method or fun.

Sout (a. equol (b)); - True.

a Note ___ We can not do: soul (non1[0]); We have a method colled ChorAt();

System. out. println (none. charat(1));

Cs vot of type printstream , clos it has method in it colled frintler

· Function Overloding:

· Fun overlad hoppen When Tow Fun hour Some nome.

fun () { ... } eg: fun () {...}

" Pretty Printing in Jova:

floot a : 4,33f; System. out . Print ("numbre is "Lef", a);

o /. is a place holder.

- some common formot:

chorocter 1. C

Decimol number (box 10) 7. d

Expantial flooting - point num 7. e

Slocting point num Integer (hose to) 7. 8

y. 1

octof num (box 8) y. 0

strung 1. 5

unsigned decimal (integer)

Herodeimol (box 16) 1/2 X

Date / time y. t

New line

· Operator Overloading:

- -> Operator +" overloaded for string type.
 - (1) Sout ('a' + b') -> 195 Ly Here the operation is overseting this coroc into integer value and then adding it Unicade or Ascivalue.
 - @ sout ("a"+"b") ab
 - 3 sout (a + 3) 100
 - (sout ((cha) ('a'+3)); -> d (converting 100 into condient (a"+1); -> a1
 - Note: When on integer is concotenated

 With a string it is converted to

 what pour class integer some as

 "a" + "1".
 - Interg will converted to Integ that will colled Tostring ();
 - 6 Sout ("ilyon" + new Amoglist () (); -> ilyon ()
 - (F) Sout (new Integ (S6) + new Amoylist (>0);
 Lis ENON
 the oly condition is at lost one of these obj
 should be of type string.
 - Sout (new Inleg (56) +" "+ new ornoglist (30);
 - o In Jova Operator overlooding is not supported for some software engineering consideration but in C++ is supported.
 - ond python. What 't is doing in C++
 - con old complex dotatype or well.
 - But, this woulte in poon code, that is why in
 - it's operator that is intentionnally overladed in Jova to support string concationation or string joining.

