```
You args [Variable no of arguments]
                                                            [0,0] = mo
                                                           (0,0,0) = (0,0)
  int add(int... args) {
                                        add (10,20)
     int sum =0;
     for(int i=0;i<args.length;i++) {</pre>
                                        add (10, 20, 50)
    return sum;
  -) In above program method add () can accept any no of arguments of
Motes
    Same data type which we call it as you args
  -> Voy anguare such methods which can accept any no of arguments of
       same duta type
 -) The argument which "it collects & stores in the array format
- The elements passed Can be accessed through inden values
          Alternative ways of declaring var anys
                   int add (int...args) & 3
                   Port add (Port ... args) 2 3
                    "int add (int ... any) ? ... }
  Kules & Regulation
 (1) we can have only one and in a method
                     int add ( int ... ar , double ... br) 1 ... 3
(2) In case if we are having von any along with named parametros, then
    the you args Should be declared at the last
                       add (int m i int y int ... angs) ? -- ?
```

(1, colc add (5) x Giel (2) Colc. add (5,3,2) (4, colc add() × if we have 2 methods of same (method ovallocating) were one troetsed accept normal parameters of other method accepts war anys as dements then prefere is given to the romed parameter Compîler decisim Colc add () = Galls 2 Int add (int nints)? calc add (16) < Calls 2 (alc. add (10,20) (all s1 Call add (10,120,130) = Gull 2 Port add ( "int ... args) [

## Strings

Def: Itangs is a collection of Characters enclosed with in a "dade protes

chan

" Stoing

il In case of Java String is a object

- (2) late can agate a stong using new keyword as without new (keyword
- 13 Storge are immutable in java
- , th, Immatable Objects are such disjects which doesn't change after The objed autim

Different ways of Genting Strings

String si = New String ("ABC");

Stay (2 = ABC)

Chen a. [7 = 2 4 12, 63 String SI = new String (ar)

String Constant Pool: It is a region present into de the Heap Area

A BC

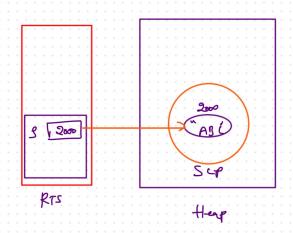
String 1 = ABC"
String SI = ABC" - only stoing objects gets acceted inside the regime

The duplicate copies one allowed inside the regim

Hay The Even if no one is reforing to the String delocated Object in this regim, that memory does not get

Care 13

Storg 5 = 'ABC"



Case 2 =

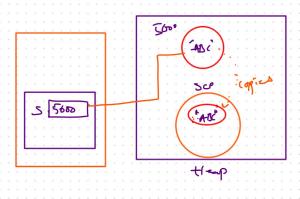
Note:

associated white Greating String agent it

associated white Greating String agent it

Creates a String Object first outside Non

Constant Pool but inside the heap Area



(2) Copy of the same object value will be created inside the constant pool only if that value doesn't chist

Case 3 %

String 
$$SI = \text{new String}(\text{"ABI"})$$
;

String  $S2 = \text{"ARC"}$ 

String  $S2 = \text{"ARC"}$ 

String  $S2 = \text{"ARC"}$ 

String  $S2 = \text{"ARC"}$ 

Put  $a = 10$  2000

(object = object) (nt  $b = 10$ )

SIGN

Allow

Allow

(b = -10  $\sqrt{\text{ARC}}$ 

Sch

Care 4:

(1) String SI = new String ("AD(")
(2) String SI = new String ("AD(")
(3) String SD = new String ("AD(")

