```
Day-16
   arun a positive integer, tind the sum of its first digit & last
           digit
      N= 1023 => 4
      N7 290 77
      N=99 18
     1) we can take first digit & last digit & odd them
2) convert to string and sum it
     2 types >
    Program:
      import java. cutil. scaemer;
       class Learnyard &
              public static void main(string[] args)d
                 scanner se = new scanner (system.in)3
                  int N = se, next Int();
                  String 2 = Integer. to string(N);
                 S.o.pln (s.charat(o) + s.charat(s.length()-1));
                int firstDig=s.charAt(0)-101; Ly This gives wrang value int LastDig=c.charAt(s.length(1)-101; This gives wrang value
                      S.o. pln (tirstdig + Lastdig);
     ASCII
            classad
          public static void main (string[) arge) v
                                                                  VA1-> 65
                                                       6'-> 48
                 charch='a';
                                                                   121-)97
              for(int i=0), i2256; i++)~
                                                       41-> 49
                  c.o.pin(i+"/t->1+"+cchar)i);
Aluquen a string, find the most recurring character in that string
                            Emport Pava. util. Leauner
   Up zabcado effa
                             public static vold main (string[] arg1) 2
                             cloud clouded
                            scanner se = new seavour (systemien);
    or=> a=>3
             6 > 2
                             String s=senext();
             C>1
                             int freq [7 = new int [256];
             d=> 1
                             for (inti=0; izs.leugthl); it+)&
              e=>1
                                  intid= c.charAt(i);
             772
                                  Freq [id] ++;
```

or Just

Social Mark

'SNG,

```
/n . 0 - L n-..
 ent max-raz-13
 Prot nax-f=-1;
 for (Pnt i=0; i~256; i44) d
   if (freq[i]>max-f) &
    max-f-fregtél;
    max-id=i;
               s.o.pin (char) max-id);
```

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```
unctions syntax:
 return-type funchiame () &
                                      11 function body
                                    void pranam ()d
      Lo. pin ("Toit shrev Ram");
                                  : ( - - ) - Fall Called Bridge
refault parameters
                                  & scope of local variables of a function =>
 class Learnyard &
                                     CAMPADADADA LICE BARRE
    Static int add (int a, int b) &
                                     A A Links I when
         Ent sum=a+b; ([] | and | and | and | below 1000 |
         return sum;
                                Lookellin Ca. Mari
    static void pravaoun (String name) 2
      S.apin ("Hello!"+name);
    public static void main (string[) args) l
  pranaam ("kanisht");
  pranaam ("Viral");
          i'ut aus = add (10,5);
         (musicaphous 2.
  Call Stack
    main ()
```

Sitte

gane

THE STREET

## Pass by Value VI Peure by Reference

```
elais classad
 state void increment (int num) ?
    num-fof;
```

public static moëd main (streng[) angl1/ Japans by int x=53 increment-(x); 

C.o.p(n(21) . January January Louis January

## Pare by reference

class class A & static void func (int inp[]) & inp[2] = 1000; public static void main(string[] args)

inf ano 1 = 20,2,3,4,59; S.o. Pln (-Arrays-40 String (arr)); func(arr),

Soph (Arrayl. to String(arr)).

[1121000,4,5]

SPOTESTED DE L'ESTA

11/11/2019 2019 35