```
# Armstrong Number:
> 58: 153 } + 53 + 53 = 1+125+27 = 153
Approach 28->1
   class Arm Strong Number &
      public static void main (String[] args) {
           int n=153;
           int temp=n;
            int arm = 0;
         while (1>0) }
            int ld = no/10; //ld => Lout Digit
           3 arm = arm + (ld * ld * ld);
          "+ (temp == arm) {
               sout ("Armstrong nom");
          else & ca Not Armstrong num');
                                          (3) n=0
                            3 n=1
               10 1=15
                                            0>0 X
Day son:
                 15>0
                              720
1) N=153
                ld=5
                              ld = 1
                                            end of loop
 153>0
                               0=0
 1d = 3
                dum = 27 + (125)
                              arm=152+(1)
                                           (5) temp == aum
 n=15
                aum=152
orm = 0 + (3×3×3)
                              oum = 153
                                            Armstrong ~
 asum = 27
```

```
Approach 1:
   Opublic static int noof Digits (int num) &
                                                     153
               int digits = 0;
               while (numzo); ?
                    digit stt;
                    num = mum/10.
               return digits.
                                             4 digits=3
                                3 digits=2
                                               nun=0
                    @ digits=1
fuel
                                   (1>0)
                                                0>0 X
        digits=0
en
                      (1570)V
                                  digit= 3
          153>0V
 (63)
                      digit=2
                                   rum = 0
        digit = +
                      rum = 12
        nun = 15
     public static int pow (int num1, int num2) {
          int result = 1
           int & = 0;
           while (i < num 2) }
             result = result * num1;
         return result;
   public static boolean is Armstrong (int num) &
           int no of Digits = no of Digits (num);
           int num copy = num;
           int final Number = 0;
           while (num >0) g
               int last Digit = num olo 10;
              final Number = final Number + pow (last Digit, noof Digit)
             return final Number = = num Copy;
                                        Day and -> West bookes
```

50w (num1=3, num2=3)Dry min > 153-> num result =1 2=0 0 noof Digits = 3 (023)V num(0py = 153; result = 1 +3 = 3 finalNumber = 0 じ=士 153>0 ~ resut=3 last Digit = 3 1=1 num = 15 finallyum ber = 0 ± pow (3,3) result = 3 * 3 = 9 =0 +27 = 27 resset = 9 roof Digits = 3 result = 9 * 3 = 27 num (opy = 153 fird Number = 27 \$ 323 × end of 600 15>0 V last Digit = 5 result = 127 rum = 1 final Number = 27+ pow (5,8) pow(num1 = 5, num2 = 3) =27+ 125 result=1 = 152 G=1 (0<3) 3 noof Digots = 3 num copy = 153 result = 1*5=5 final Number = 152 2) result = 5 170 L 1=1 (1< 3) D*5=25 last Digit = 1 dry run > next rum = 0 U=2 fral Number = 152+pow (1,3) 6 result = 25 =152+1 J=2 Josult = 25 * 5 = 125 = 153 num=03> end of loop: J=3 final Number = = num (opy 153 == 153 Normstoon (363)X end of loop.

