essentially just a nector < char? with a few revamed functions. Vector Sory V. pash - back (x) s += x; ٧. ٤٠٤ ( ) 5. length () VC:3 2[:3 Worm up: renese a string. (revese(+); soring revose (court string & S) string v; // netorn value. For (int i = 5.leyth()-1; i>=0; i--) r += 5613; return 1; what about versing "in-place"? 0 1 2 3 4 5 Void verse (string & s) 0455 char temp; 1654 size\_t (= s.leyth(); 2 (-) 3 For (int i =0; i < 1/2; itt) { temp = 5(1); SCiJ = SCl - i - iJ; SCl - i - iJ = temp;(l= 5. length())

```
String = Veder Zchar)
  · · S[i] has type char
More challenging esorcise: search for a
Substring in another string.
int substr (const string & s, const string& &)
    1) if t is a substring of s
     " return localian of Rist match.
     1/ e.g. 5 = " hollo world." t = "10"
     substr (s, t) should sive 3.
    // subser (s, "nonsense") should sive -1.
   idea! check for a notch starting
         at all possible affects.
       t COJ vs. S[i]
                              for 1=0 to
       t [1] vs. S[i+1]
                              5. lorsh (1-t. logth)
```