```
    ch[i] = c2;
  }
}
```

Debug Exercise

1) String to Integer

→ Added this

```
num = num * 10 + s[i] - '0';
```

2) Integer to Roman

```
return ths[num/1000] +
       hrns[(num/100)%100] +
       tens[(num/10)%10] +
       ones[num%10]
```

Change this

Can be used as

```
hrns[(num%1000)/100]
tens[(num%100)/10]
```

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③ → Add Two Binary Number Date 4/10/23

```
string ans;
  carry = 0
    i = a.length()-1;
    j = b.length()-1;

while (i>=0 || j>=0 || carry) {
        if (i>=0) →add=
          carry += a[i--] - '0';    --i to i--

        if (j>=0) ⇒ change add =
          carry += a[j--] - '0';    --j to j--

      ans += carry % 2 + '0';
          carry /= 2;
}
```

Can reverse like that also ← reverse (begin (ans), end (ans));
return ans;

④ → Debug the code

```
reverse String → for(i = start; j = n-1+start;
          change ← i<j; i++, j--)
                 int temp = s[i]
                     s[i] = s[j]
                       s[j] = temp;
             }

reverse Eachword → while (s[i] ≠ 0) {
               Add this 2  i++, count ++;
         If (s[i] == ' ' || s[i] == '\0') {
           rerese string (s, [e-], s)
```

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Scanned with CamScanner

```
        s = i+1;
          c = 0;
      }
   }
```

(5) -> Sort vowels in a string

```
        vector <char> vowel ; <- If char vowel
                                  add in this
   for(i=0 - length) isvolwels push
        sort;
         int j=0
             for (i=0 , i< length(); i++){
                 If (is vowel (t[i]){
Change this ++j  <-   t[i] = vowel [j++]
   to j++
                 }
             return t
```

(6) => Debug the code

```
            m= w1.size();
            n = w2.size();
            i=0, j=0, string result=" ";

         while (i<m || j<n){
             If (i<m) {
                  result.push_back(w1[i++])
             }
Change else if  ~~else~~ if (j<n){
   to                 result.push_back(w2[j++])
   if            }
               }
               return result;
```