

```

import 'dart:io';
void main() {
  stdout.write('s = ');
  String? s = stdin.readLineSync();
  Map<String, int> m = stringCount(s);
  printMap( m );
}
Map<String,int> stringCount(String? s){
  Map<String,int> map = {};
  if(s != null){
    for(int i = 0;i<s.length;i++){
      if(map.containsKey(s[i].toLowerCase())){
        map[s[i].toLowerCase()] = map[s[i].toLowerCase()] !+1;
      }else{
        map[s[i].toLowerCase()] = 1;
      }
    }
  }
  return map;
}

```

```

void printMap(Map<String,int> m) {
  List<String> key = m.keys.toList();
  List<int> value = m.values.toList();
  for(int i = 0; i<key.length;i++){
    for(int j = i+1;j<m.length;j++){
      if(value[i] < value[j]){
        int num0 = value[i];
        value[i] = value[j];
        value[j] = num0;
        String num1 = key[i];
        key[i] = key[j];
        key[j] = num1;
      }
      if(value[i] == value[j]){
        List<String> s = [key[i],key[j]];
        s.sort();
        key[i] = s[0];
        key[j] = s[1];
      }
    }
    String result_key = key[i];
    int result_value = value[i];
    print('$result_key -> $result_value');
  }
}

```

```

void main() {
    print("[A, T, G, C]");           // [A, T, G, C]
    print( count_base("AAAATTGTC") ); // [4, 3, 2, 1]
    print( count_base("ATTGTC") );   // [1, 2, 2, 1]
    print( count_base("TTTATCCCTGGCAAA") ); // [4, 5, 2, 4]
}
List<int> count_base(String dna){
    List<int> atgc = [0,0,0,0];
    List<String> language = ["A","T","G","C"];
    for(int i = 0;i<language.length;i++){
        for(int j = 0;j<dna.length;j++){
            if(dna[j] == language[i]){
                atgc[i] = atgc[i]+1;
            }
        }
    }
    return atgc;
}

```

```

import 'dart:io';
void main() {
    String? p = stdin.readLineSync();
    String? a = stdin.readLineSync();
    int count = 0;
    if(p.length> a.length){
        print("Incomplete answer");
        exit(0);
    }
    for(int i = 0; i< p.length;i++){
        if(p[i] == a[i]){
            count = count+1;
        }
    }
    print(count);
}

```

```

import 'dart:io';
void main() {
    stdout.write('Enter str = ');
    String? s = stdin.readLineSync();
    int count = 0;
    for(int i = 0;i<=s.length-3;i++){
        if(s.substring(i,i+3) == "ABC"){
            count = count+1;
        }
    }
    print(count);
}

```