CSCI 135 Software Design and Analysis, C++
Lab 9

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Lab A: Split
Write a function called split that has the following signature:

```
char * split(const char * s, char * t, bool b) {

   .
   .
   .

  return t;
}
```

If b is true, it copies all even numbered characters in s to t. Otherwise, it copies all odd numbered characters in s to t. For example, if s is "hello", split(s,t,true) will make t "hlo", and split(s,t,false) will make t "el". Assume t is long enough and don't forget to append the null character in both cases.

Lab B: Merge
Write a function called merge that has the following signature:

```
char * merge(const char * s1, const char * s2, char *t) {

   .
   .
   .

  return t;
}
```

This function merges s1 and s2 into t starting with s1. For example, if s1 is "hello" and s2 is "abcdefg", then t will be "haeblcldoefg". Assume t is long enough and don't forget the null character. Also, make sure that

```
merge(split(s,t1,true), split(s,t2,false), t);
```

makes t a copy of s.