**package** searchapp;

**public** **class** IndexSearch {

**char**[] text;

**char**[] pattern;

**int** foo;

**int** java;

**public** **void** setString(String text, String pattern) {

**this**.text = text.toCharArray();

**this**.pattern = pattern.toCharArray();

**this**.foo = text.length();

**this**.java = pattern.length();

}

**public** **int** search() {

**for** (**int** i = 0; i < foo-java; i++) {

**int** j = 0;

**while** (j < java && text[i+j] == pattern[j]) {

j++;

}

**if** (j == java) **return** i;

}

**return** -1;

}

}