```
146 int compare_myoj2(const char* file1, const char* file2)
147 {
148     int ret = RESULT_ACCEPTED; // AC as default
149     int c1, c2;
150     int is_beginning = 1;
151     FILE* fp1, * fp2;
152     fp1 = fopen(file1, "r");
153     fp2 = fopen(file2, "r");
154     if (!fp1 || !fp2) // If no user file is generated, it is RE.
155     {
156         ret = RESULT_RUNTIME_ERROR;
157         if (fp1)
158             fclose(fp1);
159         if (fp2)
160             fclose(fp2);
161     }
162     while (1)
163     {
164         c1 = fgetc(fp1);
165         c2 = fgetc(fp2);
166         if (c1 == EOF && c2 == EOF) // files reach the end
167             break;
168         else if (c1 == EOF)
169         {
170             while (isspace(c2)) // ignore extra spaces
171                 c2 = fgetc(fp2);
172             if (c2 != EOF) // If File 2 has more non-space characters, it is
                WA.
173             {
174                 ret = RESULT_WRONG_ANSWER;
175                 break;
176             }
177         }
178         else if (c2 == EOF)
179         {
180             while (isspace(c1)) // ignore extra spaces
181                 c1 = fgetc(fp1);
182             if (c1 != EOF) // If File 1 has more non-space characters, it is
                WA.
183             {
184                 ret = RESULT_WRONG_ANSWER;
185                 break;
186             }
187         }
188
189         while (c1 == '\r') // Ignore '\r', so that a line ends with '\n' only
190             c1 = fgetc(fp1);
191         while (c2 == '\r')
192             c2 = fgetc(fp2);
193
194         if (is_beginning || (isspace(c1)) && (isspace(c2))) // a new word
            starts
195         {
196             is_beginning = 0;
197             while (isspace(c1) && isspace(c2))
198             {
```

```
199                 if (c1 != c2) // If space characters mismatch, it is PE.
200                     ret = RESULT_PRESENTATION_ERROR;
201                 c1 = fgetc(fp1);
202                 c2 = fgetc(fp2);
203             }
204             while (isspace(c1)) // If File 1 has extra spaces, it is PE.
205             {
206                 ret = RESULT_PRESENTATION_ERROR;
207                 c1 = fgetc(fp1);
208             }
209             while (isspace(c2)) // If File 2 has extra spaces, it is PE.
210             {
211                 ret = RESULT_PRESENTATION_ERROR;
212                 c2 = fgetc(fp2);
213             }
214         }
215
216         if (c1 != c2) // If two non-space characters mismatch, it is WA and
              exit.
217         {
218             ret = RESULT_WRONG_ANSWER;
219             break;
220         }
221     }
222
223     if (fp1)
224         fclose(fp1);
225     if (fp2)
226         fclose(fp2);
227
228     return ret;
229 }
```