Normal case

```
● (base) hanseunghwa@hanseunghwaui-MacBookPro hw2 % java RecurParser RecurParserInputs/test1.txt
  Parsing OK
● (base) hanseunghwa@hanseunghwaui-MacBookPro hw2 % java RecurParser RecurParserInputs/test2.txt
  Parsing OK
```

Error case

testError1.txt

```
 1    program1 Exercise
 2        program_begin
 3                integer  Time_10_24 = 2206, Hour_In_Day = 0, Minute_In_Hour;
 4                if (Time_10_24 < 10)
 5                    begin
 6                        display( );
 7                        Hour_In_Day = 24;
 8                    end
 9                elseif (Time_10_24 <= 20)
10                    begin
11                        Minute_In_Hour = Hour_In_Day * 60;
12                        display("Good Day. Peace_to_you.");
13                    end
14        program_end
15
```

Output
```
● (base) hanseunghwa@hanseunghwaui-MacBookPro hw2 % java RecurParser RecurParserInputs/testError1.txt
  Parsing Error
          missing or wrong keyword: program
```

Error case

testError2.txt

```
1    program Exercise
2        program_begin
3                  integer   Time_10_24 = 2206, Hour_In_Day = 0, Minute_In_Hour;
4                  if (Time_10_24 < 10)
5                      begin
6                          display( );
7                          Hour_In_Day = 24;
8                      end
9                  elseif (Time_10_24 <= 20)
10                     begin
11                         Minute_In_Hour = Hour_In_Day * 60;
12                         display("Good Day. Peace_to_you.");
13                     end
14       program9_end
15
```

Output

```
● (base) hanseunghwa@hanseunghwaui-MacBookPro hw2 % java RecurParser RecurParserInputs/testError2.txt
  Parsing Error
          missing or wrong keyword: program_end
```

Error case

testError3.txt

```
1    program Exercise
2        program_begin
3                intezer   Time_10_24 = 2206, Hour_In_Day = 0, Minute_In_Hour;
4                if (Time_10_24 < 10)
5                    begin
6                        display( );
7                        Hour_In_Day = 24;
8                    end
9                elseif (Time_10_24 <= 20)
10                    begin
11                        Minute_In_Hour = Hour_In_Day * 60;
12                        display("Good Day. Peace_to_you.");
13                    end
14        program_end
15
```

Output

```
(base) hanseunghwa@hanseunghwaui-MacBookPro hw2 % java RecurParser RecurParserInputs/testError3.txt
Parser Error
        wrong keyword for type
```

Error case

testError4.txt

```
1   program Exercise
2       program_begin
3              ⬚      Time_10_24 = 2206, Hour_In_Day = 0, Minute_In_Hour;
4                     if (Time_10_24 < 10)
5                         begin
6                             display( );
7                             Hour_In_Day = 24;
8                         end
9                 elseif (Time_10_24 <= 20)
10                        begin
11                            Minute_In_Hour = Hour_In_Day * 60;
12                            display("Good Day. Peace_to_you.");
13                        end
14      program_end
15
```

Output

```
(base) hanseunghwa@hanseunghwaui-MacBookPro hw2 % java RecurParser RecurParserInputs/testError4.txt
Parser Error
        missing keyword for type
```

Error case

testError5.txt

```
1    program Exercise
2        program_begin
3               integer  Time_10_24 = 2206, Hour_In_Day = 0, Minute_In_Hour;
4               if (Time_10_24 < 10)

5


6                     display( );
7                     Hour_In_Day = 24;
8                 end
9             elseif (Time_10_24 <= 20)
10                  begin
11                      Minute_In_Hour = Hour_In_Day * 60;
12                      display("Good Day. Peace_to_you.");
13                  end
14      program_end
15
```

Output

```
● (base) hanseunghwa@hanseunghwaui-MacBookPro hw2 % java RecurParser RecurParserInputs/testError5.txt
  Parsing Error
          In if statement, there is no begin [missing keyword]
```

Error case

testError6.txt

```
 6                    display( );
 7                    Hour_In_Day = 24;
 8               end
 9          elseif (Time_10_24 <= 20)
10               begin
11                    Minute_In_Hour = Hour_In_Day * 60;
12                    display("Good Day. Peace_to_you.");
13               end
14          else
15               begin
16                  display("Good evening.");
17               end
18          while ( temp > 10)
19                    begin
20                 temp = temp+1;
21                 display("Increase temperature");
22                 if (temp == 15)
23                    begin
24                      display("stop increasing temp");
25                      break;
26                    end
27                 elseif ( temp+2 >= 2)
28                    begin
29                         break
30                    end
31               end
```

Output

Error case

testError7.txt

```
1    program Exercise
2       program_begin
3                  integer  Time_10_24 = 2206, Hour_In_Day = 0, Minute_In_Hour;
4                  if (Time_10_24 < 10)
5                     begin
6                         display( );
7                         Hour_In_Day =
8                     end
9               elseif (Time_10_24 <= 20)
10                    begin
11                        Minute_In_Hour = Hour_In_Day * 60;
12                        display("Good Day. Peace_to_you.");
13                    end
14      program_end
15
```

Output