

环境

VsCode + g++(MingW32-make--利用Windows下cmd进行的make操作) + gitbash(Windows 下运行bash脚本)

建议测试时配置好VsCode的g++开发环境，并且配置好gitbash环境变量后，在VsCode下用powershell运行脚本即可。水平有限--不确定是否其他版本shell脚本解释能否运行

文档说明：

data.txt 为pdadd的数据获取文档，**每次仅获取第一条记录**，日期需按格式，否则输出参数错误或者记录当前 pc日期。读取文档直到遇到"." 或者EOF为止。起始状态为空。-- 由shell脚本重定向输入信息--已经在脚本中加入3条测试信息

hw4.txt 为person diary文档，里面已经包含15条符合格式要求的相关日记内容，用于其他测试

hw4_copy.txt 为日记的备份，用于在remove后重新恢复日记信息

show.txt pdshow 根据相关内容的输出

list.txt pdlist 根据相关内容输出

out.txt 所有程序的交互输出窗口 包括 pdadd的交互，pdremove的成功与否信息显示，pdshow的日期是否正确等等。

test.sh 进行测试的shell脚本，包含了相关内容的测试，具体内容与注释可以打开查看

注意

- hw4.txt尽量不要手动修改内容--不要手动在最后添加换行。
- list和show的显示格式会根据shell的执行与环境不同而有所不同，但内容均为正确。建议vscode下放到同一目录打开使用。主要就是换行与否的差别。文件重定向方式均为append -- a+追加
- 所有的exe文件查找的均为当前目录--具体可以看代码
- 提供了makefile以供发现问题时重新编译。用法make(mingw32-make)
pdadd(pdlist/pdremove/pdshow) make clean。 makefile 写法较为简陋，见谅

本机测试结果

```

hw4.txt  X  pdadd.cpp  data.txt  show.txt  out.txt
hw4 > hw4.txt
1  1999.11.28
2  Hello,world.
3
4  2003.04.16
5  No one can remember what I was doing then.
6
7  2005.06.17
8  This is a test.  #3
9
10 2010.04.12
11 This is a test data.
12
13 2015.07.13
14 printf("hello,world").
15
16 2017.11.27
17 cout << "hello world".
18
19 2019.05.16
20 System.out.println("hello world").
21
22 2019.07.16
23 print("hello world").

```

```

24
25 2025.11.22
26 echo helloworld
27
28 2020.04.17
29 Moring, It seems that this week is an easy week
30 Let me do some review.
31
32 2025.02.10
33 This is a test for pdadd
34 just add one entity.
35
36 2020.04.23
37 test skip record date.
38

```

```

hw4.txt  data.txt  show.txt  out.txt  test.sh
> show.txt
1  pdshow_1 ./pdshow 2010.04.12
2  content:
3  Moring, It seems that this week is an easy week
4  Let me do some review.
5  pdshow_2 ./pdshow ssfds
6  Invalid_argument
7  content:
8  test skip record date.
9

```

```

on terminal help
4.txt  data.txt  show.txt  out.txt
> out.txt
1  enter writing date, press 0 by default
2  enter writing date, press 0 by default
3  Invalid_argument
4  enter writing date, press 0 by default
5
6  pdremove_1 ./pdremove 2020.04.22
7  127
8  pdremove_2 ./pdremove
9  please specify the date
0  127

```

```
hw4 > list.txt
1 pdlist_1 ./pdlist
2 1. 1999.11.28
3 breif: Hello,world.
4 2. 2003.04.16
5 breif: No one can remember what I was doing then.
6 3. 2005.06.17
7 breif: This is a test. #3
8 4. 2010.04.12
9 breif: This is a test data.
10 5. 2015.07.13
11 breif: printf("hello,world").
12 6. 2017.11.27
13 breif: cout << "hello world".
14 7. 2019.05.16
15 breif: System.out.println("hello world").
16 8. 2019.07.16
17 breif: print("hello world").
18 9. 2020.04.17
19 breif: Moring, It seems that this week is an easy week
20 10. 2020.04.23
21 breif: test skip record date.
22 11. 2025.02.10
23 breif: This is a test for pdadd
24 12. 2025.11.22
25 breif: echo helloworld
```

```
26
27 pdlist_2 ./pdlist --start 2015.04.19 --end 2020.06.04
28 1. 2015.07.13
29 breif: printf("hello,world").
30 2. 2017.11.27
31 breif: cout << "hello world".
32 3. 2019.05.16
33 breif: System.out.println("hello world").
34 4. 2019.07.16
35 breif: print("hello world").
36 5. 2020.04.17
37 breif: Moring, It seems that this week is an easy week
38
39 pdlist_3 ./pdlist -s 2015.04.19 -e 2020.06.04
40 1. 2015.07.13
41 breif: printf("hello,world").
42 2. 2017.11.27
43 breif: cout << "hello world".
44 3. 2019.05.16
45 breif: System.out.println("hello world").
46 4. 2019.07.16
47 breif: print("hello world").
```

```
48 5. 2020.04.17
49 breif: Moring, It seems that this week is an easy week
50
51 pdlist_4 ./pdlist --start 2015.04.19
52 1. 2015.07.13
53 breif: printf("hello,world").
54 2. 2017.11.27
55 breif: cout << "hello world".
56 3. 2019.05.16
57 breif: System.out.println("hello world").
58 4. 2019.07.16
59 breif: print("hello world").
60 5. 2020.04.17
61 breif: Moring, It seems that this week is an easy week
62 6. 2020.04.23
63 breif: test skip record date.
64 7. 2025.02.10
65 breif: This is a test for pdadd
66 8. 2025.11.22
67 breif: echo helloworld
68
```

```
67 breif: echo helloworld
68
69 pdlist_5 ./pdlist -e 2020.06.04
70 1. 1999.11.28
71 breif: Hello,world.
72 2. 2003.04.16
73 breif: No one can remember what I was doing then.
74 3. 2005.06.17
75 breif: This is a test. #3
76 4. 2010.04.12
77 breif: This is a test data.
78 5. 2015.07.13
79 breif: printf("hello,world").
80 6. 2017.11.27
81 breif: cout << "hello world".
82 7. 2019.05.16
83 breif: System.out.println("hello world").
84 8. 2019.07.16
85 breif: print("hello world").
86 9. 2020.04.17
87 breif: Moring, It seems that this week is an easy week
88
```