

課題1, 2

課題1

実行結果のscriptファイルを以下に示す。

```
Script started on 2022-07-06 10:50:40+09:00 [TERM="xterm-256color"
TTY="/dev/pts/0" COLUMNS="104" LINES="49"]
j0:fjsn@SSD: ~/directory/5th/compiler/task-
rpc [01;32mfjsn@SSD [00m: [01;34m~/directory/5th/compiler/task-
rpc [00m$ flex rpc.l
j0:fjsn@SSD: ~/directory/5th/compiler/task-
rpc [01;32mfjsn@SSD [00m: [01;34m~/directory/5th/compiler/task-
rpc [00m$ cc lex.yy.c
[01m[Krpc.l:[m[K In function ' [01m[Kyylex [m[K':
[01m[Krpc.l:30:3:[m[K [01;35m[Kwarning:
[m[K' [01m[Kreturn [m[K' with no value, in function returning non-
void
    30 | q [01;35m[K      [m[K      { return; }
      | [01;35m[K^~~~~~[m[K
[01m[Klex.yy.c:632:21:[m[K [01;36m[Knote: [m[Kdeclared here
    632 | #define YY_DECL int [01;36m[Kyylex [m[K (void)
      | [01;36m[K^~~~~~[m[K
[01m[Klex.yy.c:652:1:[m[K [01;36m[Knote: [m[Kin expansion of
macro ' [01m[KYY_DECL [m[K'
    652 | [01;36m[KYY_DECL [m[K
      | [01;36m[K^~~~~~[m[K
[01m[Krpc.l:[m[K At top level:
[01m[Krpc.l:34:1:[m[K [01;35m[Kwarning: [m[Kreturn type
defaults to ' [01m[Kint [m[K' [01;35m[K-wimplicit-int [m[K]
    34 | [01;35m[Kmain [m[K() {
      | [01;35m[K^~~~[m[K
j0:fjsn@SSD: ~/directory/5th/compiler/task-
rpc [01;32mfjsn@SSD [00m: [01;34m~/directory/5th/compiler/task-
rpc [00m$ ./a.out
*** Reverse Polish Calculator
> 1
1 > 2
1 2 > 3
1 2 3 > 4
1 2 3 4 > 5
1 2 3 4 5 > +
1 2 3 9 > s
1 2 9 3 > /
1 2 3 > *
1 6 > -
-5 > +-
5 > 6
5 6 > 7
5 6 7 > r
```

```

6 7 5 > o
6 7 5 7 > p
6 7 5 > d
6 7 5 5 > c
> q
❏]0;fjsn@SSD: ~/directory/5th/compiler/task-
rpc❏❏[01;32mfjsn@SSD❏[00m:❏[01;34m~/directory/5th/compiler/task-
rpc❏[00m$ exit
exit

Script done on 2022-07-06 10:51:43+09:00 [COMMAND_EXIT_CODE="0"]

```

課題2

C言語では整数を省略していても小数として入力できるので、整数部はあっても無くてもいい。よって

```
"-"?". "{DIGIT}+      { sscanf(yytext, "%lf", &S[++P]); }
```

を追加すればよい。