
1. Cab Numbers

Program Name: CabNumbers.java

Input File: cabnumbers.dat

Input File

13

Output to Screen

1729
4104
13832
20683
32832
39312
40033
46683
64232
65728
110656
110808
134379

2. Call 555 - HELP

Program Name: Call.java

Input File: call.dat

Input File

```
7
55
0 xyz
1 ab
2 cd
3 efg
4 hi
5 jk
6 lm
7 opq
8 rst
9 uvw
213
5 b
3 klm
1 i
0 zd
9 yun
2 cua
8 e
7 f
6 trs
4 f
111111111111
9 a
8 b
7 c
6 d
5 e
4 f
3 g
2 h
1 i
0 j
471
5 cba
6 dfe
4 igh
7 klj
3 mon
8 pqr
2 vtu
9 wxy
1 s
0 z
1
5 cba
6 dfe
4 igh
7 klj
3 mon
8 pqr
2 vtu
```

9 wxy
1 s
0 z
7
0 xyz
1 ab
2 cd
3 efg
4 hi
5 jk
6 lmn
7 opq
8 rst
9 uvw
444
5 cba
6 dfe
4 igh
7 klj
3 mon
8 pqr
2 vtu
9 wxy
1 s
0 z

Output To Screen

Mnemonics for 55:

jj
jk
kj
kk

Mnemonics for 213:

aik
ail
aim
cik
cil
cim
uik
uil
uim

Mnemonics for 111111111111:

iiiiiiiiiii

Mnemonics for 471:

gjs
gks
gls
hjs
hks
hls
ijs
iks
ils

Mnemonics for 1:

s

Mnemonics for 7:

o
p

q
Mnemonics for 444:

ggg
ggh
ggi
ghg
ghh
ghi
gig
gih
gii
hgg
hgh
hgi
hhg
hhh
hhi
hig
hih
hii
igg
igh
igi
ihg
ihh
ihi
iig
iih
iii

3. The Count

Program Name: Count.java

Input File: count.dat

Input File

```
Mary had a little lamb  
Jack be nimble, Jack be quick  
Hickory, Dickery, Dock  
The mouse ran up the clock  
The clock struck one  
The mouse ran down  
Hickory, Dickery, Dock  
Jack be nimble  
Jack by quick  
Jack jumped over the candlestick.
```

Output To Screen

```
10
```

4. Mad-Lib

Program Name: MadLib.java

Input Files: madlib.dat

Input File

```
2
6
car race
sweater
giraffe
jumped
ear
cake
Jerry came to me in the middle of the
and wanted me to study for a
in Computer Science. I told him that I had a
and could not. Since then, I
and changed my
. Studying is the most important
that I do.
7
rock
paper
scissors
possums
shoes
pig pen
cruise ship
For each
, print the complete mad-lib story with the
properly inserted. The story will be written in one
with no more than 40
on a line and as many whole
(including contiguous punctuation) on a
as possible. There must be a
on either side of the text that is inserted.
```

Output To Screen

```
Jerry came to me in the middle of the
car race and wanted me to study for a
sweater in Computer Science. I told him
that I had a giraffe and could not.
Since then, I jumped and changed my ear.
Studying is the most important cake that
I do.
```

```
For each rock, print the complete
mad-lib story with the paper properly
inserted. The story will be written in
one scissors with no more than 40
possums on a line and as many whole
shoes (including contiguous punctuation)
on a pig pen as possible. There must be
a cruise ship on either side of the text
that is inserted.
```

5. Magic Trick

Program Name: Trick.java

Input File: trick.dat

Input File

```
3
43
8 11 * 1
* 2 7 12
3 * 9 6
10 5 4 *
42
* 1 12 7
11 8 * 2
5 10 3 *
4 * 6 9
50
7 2 * 9
12 * 3 6
1 8 10 *
* 11 5 4
```

Output to Screen

```
8 11 23 1
22 2 7 12
3 25 9 6
10 5 4 24

22 1 12 7
11 8 21 2
5 10 3 24
4 23 6 9

7 2 32 9
12 29 3 6
1 8 10 31
30 11 5 4
```

6. Stars

Program Name: Stars.java

Input File: none

Input

There is no input for this problem.

Output to Screen

```
*
* *
* * *
* * * *
* * * * *
* * * * *
* * * * *
* * * * *
* * * * *
* * * * *
* * * * *
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* * * * *
* * * * *
* * * * *
* * * * *
* * * * *
* * * * *
```