

Ethan Tuning
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HW1 Outputs

1.

```
etuning@cscd-linux01:~/netstorage/CSCD240/Asgn2$ ./Histogram
Please enter a sentence: ethan
Alphabets   Frequency   Histogram
A           1           *
B           0
C           0
D           0
E           1           *
F           0
G           0
H           1           *
I           0
J           0
K           0
L           0
M           0
N           1           *
O           0
P           0
Q           0
R           0
S           0
T           1           *
U           0
V           0
W           0
X           0
Y           0
Z           0
etuning@cscd-linux01:~/netstorage/CSCD240/Asgn2$
```

```
etuning@cscd-linux01:~/netstorage/CSCD240/Asgn2$ ./Histogram
Please enter a sentence: ethan tuning
Alphabets   Frequency   Histogram
A           1           *
B           0
C           0
D           0
E           1           *
F           0
G           1           *
H           1           *
I           1           *
J           0
K           0
L           0
M           0
N           3           ***
O           0
P           0
Q           0
R           0
S           0
T           2           **
U           1           *
V           0
W           0
X           0
Y           0
Z           0
etuning@cscd-linux01:~/netstorage/CSCD240/Asgn2$
```

```

etuning@cscd-linux01:~/netstorage/CSCD240/Asgn2$ ./Histogram
Please enter a sentence: ETHAN tuNing
Alphabets    Frequency    Histogram
A            1            *
B            0
C            0
D            0
E            1            *
F            0
G            1            *
H            1            *
I            1            *
J            0
K            0
L            0
M            0
N            3            ***
O            0
P            0
Q            0
R            0
S            0
T            2            **
U            1            *
V            0
W            0
X            0
Y            0
Z            0
etuning@cscd-linux01:~/netstorage/CSCD240/Asgn2$ █

```

2.

```

etuning@cscd-linux01:~/netstorage/CSCD240/Asgn2$ ./Array
Enter the number of rows:2
Enter the number of columns:2

First Array:
Enter data for row no: 0
12
3
Enter data for row no: 1
4
3

Second Array:
Enter data for row no: 0
4
2
Enter data for row no: 1
6
4
Enter your option: 'A', 'B' or 'M':A
Adding array 'a' and 'b'
After adding array 'a' and 'b', the resultant array is:
165
107

```

```

Enter the number of rows:2
Enter the number of columns:3

First Array:
Enter data for row no: 0
3
2
1
Enter data for row no: 1
1
2
3

Second Array:
Enter data for row no: 0
4
5
4
Enter data for row no: 1
4
6
5
Enter your option: 'A', 'B' or 'M':B
Subtracting array 'b' from array 'a'
After subtracting array 'b' from array 'a', the resultant array is:
-1-3-3
-3-4-2
etuning@cscd-linux01:~/netstorage/CSCD240/Asgn2$ █

```

```

etuning@cscd-linux01:~/netstorage/CSCD240/Asgn2$ ./Array
Enter the number of rows:3
Enter the number of columns:3

First Array:
Enter data for row no: 0
4
3
2
Enter data for row no: 1
1
3
4
Enter data for row no: 2
5
6
5

Second Array:
Enter data for row no: 0
4
3
2
Enter data for row no: 1
7
6
5
Enter data for row no: 2
6
7
6
Enter your option: 'A', 'B' or 'M':M
Multiplying array 'a' with array 'b'
After multiplying array 'a' with array 'b', the resultant array is:
1694
71820
304230
etuning@cscd-linux01:~/netstorage/CSCD240/Asgn2$ █

```