1. **Original Version**

1.1 Menu

```
gp@CS:~/CMSC3613/BST/Original$ bst

======== Menu ========
i. Incremental Insert
d. Incremental Delete
c. Clear tree
p. Print tree
h. Print tree height
s. Print tree size
x. Exit
======== Menu ========
Select an option: i
```

1.2 Incremental Insert

```
======== Menu ========
Select an option: i

Enter new integer keys to insert.  Enter "q<Enter>" to quit.

6

+++++++++++++++++++++
6:   -   -
+++++++++++++++++++++

10

+++++++++++++++++++++
6:   -   10
+++++++++++++++++++++

3

+++++++++++++++++++++
6:   3   10
+++++++++++++++++++++

1

+++++++++++++++++++++
6:   3   10
3:   1   -
+++++++++++++++++++++

q

======== Menu ========
i. Incremental Insert
d. Incremental Delete
c. Clear tree
p. Print tree
h. Print tree height
s. Print tree size
x. Exit
======== Menu ========
Select an option:
```

1.3 Height

```
======== Menu ========
Select an option: h


The height of the binary tree is 3
```

1.4 Size

```
======== Menu ========
Select an option: s

The size (node count) of the binary tree is 4
```

1.5 Delete

```
======== Menu ========
Select an option: d

Enter integer keys to delete.  Enter "q<Enter>"

6

++++++++++++++++++++
10:  3  -
3:   1  -
++++++++++++++++++++

10

++++++++++++++++++++
3:  1  -
++++++++++++++++++++

q

======== Menu ========
i.  Incremental Insert
d.  Incremental Delete
c.  Clear tree
```

1.5 Clear and Print

```
======== Menu ========
Select an option: c

======== Menu ========
i.  Incremental Insert
d.  Incremental Delete
c.  Clear tree
p.  Print tree
h.  Print tree height
s.  Print tree size
x.  Exit
======== Menu ========
Select an option: p


+++++++++++++++++++++
EMPTY TREE
+++++++++++++++++++++
```