Class prob3

java.lang.Object
    prob3

```
public class prob3
extends java.lang.Object
```

Problem 3 This Program finds the smallest decimal value of the characters partitioned from the input String. All spaces in the String will be omitted. The character with the smallest decimal value will be at the top of the Min Heap.

Constructor Summary

Constructors

Constructor	Description
prob3()	

Method Summary

All Methods   **Static Methods**   **Concrete Methods**

Modifier and Type	Method	Description
static int	**findMin** (java.lang.String input)	Find the minimum ASCII value of the input String
static void	**main** (java.lang.String[] args)	
static void	**reorder**(int[] heap, int size)	Reorders the heap to have the smallest value at index 1 and bubble up the inserted value to the appropriate index.

Methods inherited from class java.lang.Object

```
clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString,
wait, wait, wait
```

Constructor Detail

prob3

```
public prob3()
```

Method Detail

main

```
public static void main(java.lang.String[] args)
```

findMin

```
public static int findMin(java.lang.String input)
```

Find the minimum ASCII value of the input String

Parameters:

`input` - String that will be partitioned

Returns:

int min ASCII value of the character with the smallest value

reorder

```
public static void reorder(int[] heap,
                           int size)
```

Reorders the heap to have the smallest value at index 1 and bubble up the inserted value to the appropriate index.

Parameters:

`heap` - Single row array to hold the values of the characters from the input string

`size` - index of the recently inserted value