

Binary Buddy Memory Management

Must have g++ compiler and make

To run the application follow the given steps:

0. Run the following to remove junk files:

```
make clean
```

1. Run **make** command in root directory to build the executable:

```
make
```

2. Use the following command to execute bash script and get output file:

```
bash runme <input_file_path> <output_file_path>
```

Note: Sample inputs and outputs are given their respective folders

OUTPUT1.txt

```
Free Block: 128
Free Block: 64
D: 60
C: 80
Free Block: 128
Free Block: 512
```

OUTPUT2.txt

```
A: 16
B: 16
C: 16
D: 16
E: 16
F: 16
G: 16
H: 16

Free Block: 128
```

OUTPUT3.txt

```
Free Block: 4  
B: 4  
E: 4  
D: 4
```

OUTPUT4.txt

```
A: 100  
E: 100  
C: 200  
B: 400  
D: 300  
F: 500  
Free Block: 2048
```

OUTPUT5.txt

```
J: 97  
W: 56  
Free Block: 64  
D: 78  
L: 79  
G: 73  
N: 6  
R: 8  
Free Block: 16  
T: 32  
M: 44  
Free Block: 256  
Free Block: 512  
V: 45  
P: 11  
B: 10  
H: 28  
F: 82  
Free Block: 256
```