CS304 : Operating Systems

Assignment 1

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1 Screenshots

1.1 input1.txt

```
PROBLEMS    OUTPUT    DEBUG CONSOLE    TERMINAL

/Users/apple/.zprofile:11: no such file or directory: /opt/homebr
6th sem/CS304 OS/Assignment $ bash run.sh input1.txt
final.cpp:47:14: warning: 'auto' type specifier is a C++11 extens
  for (const auto &kv : m)
             ^

final.cpp:47:23: warning: range-based for loop is a C++11 extensi
  for (const auto &kv : m)
                    ^

2 warnings generated.
Free Block: 128
Free Block: 64
D: 60
C: 80
Free Block: 128
Free Block: 512

6th sem/CS304 OS/Assignment $ █
```

1.2 input2.txt

```
6th sem/CS304 OS/Assignment $ bash run.sh input2.txt
final.cpp:47:14: warning: 'auto' type specifier is a C++11
  for (const auto &kv : m)
         ^
final.cpp:47:23: warning: range-based for loop is a C++11 e
  for (const auto &kv : m)
              ^
2 warnings generated.
A: 10
B: 10
C: 10
D: 10
E: 10
F: 10
Free Block: 32
Free Block: 128
Free Block: 256
Free Block: 512

A: 10
B: 10
C: 10
D: 10
E: 10
F: 10
Free Block: 64
Free Block: 256

A: 10
B: 10
C: 10
D: 10
E: 10
F: 10
Free Block: 128

A: 10
B: 10
C: 10
D: 10
E: 10
F: 10
Free Block: 256

A: 10
B: 10
C: 10
D: 10
E: 10
F: 10
Free Block: 32
Free Block: 128
Free Block: 256

6th sem/CS304 OS/Assignment $ █
```

1.3 input3.txt

```
6th sem/CS304 OS/Assignment $ bash run.sh input3.txt
final.cpp:47:14: warning: 'auto' type specifier is a C++11 extens
  for (const auto &kv : m)
             ^

final.cpp:47:23: warning: range-based for loop is a C++11 extensi
  for (const auto &kv : m)
                    ^

2 warnings generated.
A: 3600
B: 1500
C: 1200
D: 1900
Free Block: 2048
E: 2700

A: 3600
Free Block: 4096
D: 1900
F: 1500
E: 2700

A: 3600
G: 1600
Free Block: 2048
Free Block: 2048
F: 1500
E: 2700

6th sem/CS304 OS/Assignment $
```

3

1.4 input4.txt

```
6th sem/CS304 OS/Assignment $ bash run.sh input4.txt
final.cpp:47:14: warning: 'auto' type specifier is a
   for (const auto &kv : m)
              ^
final.cpp:47:23: warning: range-based for loop is a
   for (const auto &kv : m)
                    ^
2 warnings generated.
Free Block: 256
B: 75
C: 95
F: 45
G: 30
Free Block: 32
Free Block: 128
Free Block: 256
Free Block: 1024

6th sem/CS304 OS/Assignment $ █
```

1.5   input5.txt

```
6th sem/CS304 OS/Assignment $ bash run.sh input5.txt
final.cpp:47:14: warning: 'auto' type specifier is a C++11 extension
    for (const auto &kv : m)
             ^
final.cpp:47:23: warning: range-based for loop is a C++11 extension
    for (const auto &kv : m)
                      ^
2 warnings generated.
A: 1
Free Block: 4
Free Block: 8
Free Block: 16
Free Block: 32
Free Block: 64
Free Block: 128
Free Block: 256
Free Block: 512

A: 1
Free Block: 4
Free Block: 8
Free Block: 16
Free Block: 32
Free Block: 64
Free Block: 128
Free Block: 256
B: 511

Free Block: 512
B: 511

A: 1
Free Block: 4
F: 1
D: 1
Free Block: 16
Free Block: 32
Free Block: 64
Free Block: 128
Free Block: 256
Free Block: 512

6th sem/CS304 OS/Assignment $ ▏
```