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C++ implementation of worst - Fit algorithm
#include<bits/stdc++.h>
using namespace std;
// Function to allocate memory to blocks as per worst fit
// algorithm
void worstFit(int blockSize[], int m, int processSize[],
int
n)
{
// Stores block id of the block allocated to a
// process
int allocation[n];
// Initially no block is assigned to any process
memset(allocation, -1, sizeof(allocation));
// pick each process and find suitable blocks
// according to its size ad assign to it
for (int i=0; i<n; i++)
{
// Find the best fit block for current process
int wstldx = -1;
for (int j=0; j<m; j++)
if (blockSize[j] >= processSize[i])
{
if (wstIdx == -1)
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wstldx = j;
else if (blockSize[wstldx] < blockSize[j])
wstldx = j;
}
}
// If we could find a block for current process
if (wstIdx != -1)
{
// allocate block j to p[i] process
allocation[i] = wstIdx;
// Reduce available memory in this block.
blockSize[wstldx] -= processSize[i];
}
}
cout << "\nProcess No.\tProcess Size\tBlock no.\n";</pre>
for (int i = 0; i < n; i++)
{
cout << " " << i+1 << "\t\t" << processSize[i] << "\t\t";
if (allocation[i] != -1)
cout << allocation[i] + 1;</pre>
else
cout << "Not Allocated";</pre>
cout << endl;
}
}
// Driver code
```

```
int main()
{
int blockSize[] = {100, 500, 200, 300, 600};
int processSize[] = {212, 417, 112, 426};
int m = sizeof(blockSize)/sizeof(blockSize[0]);
int n = sizeof(processSize)/sizeof(processSize[0]);
worstFit(blockSize, m, processSize, n);
return 0;
}

OUTPUT:
Process No. Process Size Block no.
1 212 5
2 417 2
3 112 5
```

4 426 Not Allocated