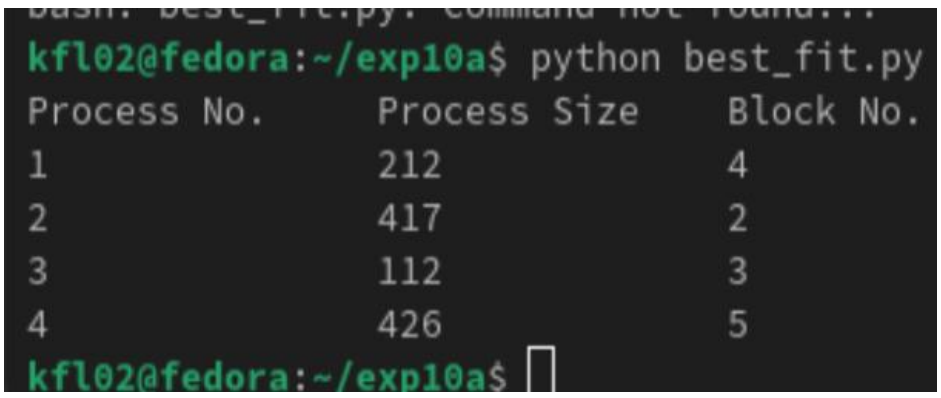
Expr 10 a: Best Fit

Best Fit code:

```
class Block:
def __init__(self, size, num):
self.size = size
self.num = num
self.allocated = False

class Process:
def __init__(self, size, num):
self.size = size
self.num = num
self.allocated = None

def best_fit(blocks, processes):
print(&amp;quot;Process No.\tProcess Size\tBlock No.&amp;quot;)
for p in processes:
best = None
for b in blocks:
if not b.allocated and b.size &amp;gt;= p.size:
if best is None or b.size &amp;lt; best.size:
best = b
if best:
best.allocated = True

p.allocated = best.num
print(f&amp;quot;{p.num}\t\t{p.size}\t\t{p.allocated if p.allocated else &amp;#39;Not
Allocated&amp;#39;}&amp;quot;)

# Test data
blocks = [Block(s, i) for i, s in enumerate([100, 500, 200, 300, 600], 1)]
processes = [Process(s, i) for i, s in enumerate([212, 417, 112, 426], 1)]
best_fit(blocks, processes)
```

Output:



Result:

Thus the Best fit Code is implemented in fedora using the fedora language