75) Brute Force String Matching

CODE:

```
def brute_force(text, pattern):
    n = len(text)
    m = len(pattern)
    for i in range(n - m + 1):
        while j < m and text[i + j] == pattern[j]:</pre>
           j += 1
        if j == m:
           return i
    return -1
text = "hello world"
pattern = "world"
index = brute_force(text, pattern)
if index != -1:
    print(f"Pattern found at index {index}")
else:
    print("Pattern not found")
```

OUTPUT:



TIME COMPLEXITY: O(n*m)