EXERCISE-75: Brute-Force String Matching

PROGRAM :

```python
def brute_force(text, pattern):
    n = len(text)
    m = len(pattern)
    for i in range(n - m + 1):
        j = 0
        while j < m and text[i + j] == pattern[j]:
            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 ;

```
Pattern found at index 6
```

TIME COMPLEXITY ; $O(n{\cdot}m)$