75.Brute-Force String Matching

AIM: To match a string by using Brute-force string matching

PROGRAM:

```
def brute_force_string_match(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 = "AABAACAADAABAAABAA"

pattern = "AABA"

index = brute_force_string_match(text, pattern)

if index != -1:

    print(f"Pattern found at index {index}.")

else:

    print("Pattern not found.")
```

OUTPUT: `Pattern found at index 0.`

TIME COMPLEXITY: O((n-m+1)*m)