

2/5/24

ADA-Lab

Lecture Problem - 459 2828 - mibh9 shorts1
 => Repeated Substring pattern

```
bool repeatedSubstringPattern(char *s) {
    int i = 1;
    int l = strlen(s);
    int x = 0;
    while (i <= l/2)
    {
        (l%i == 0) ? ldiv = l/i : continue;
        x = 0;
        if (l%i == 0) {
            while (x < ldiv) {
                if (s[x%i] != s[x]) {
                    break;
                }
                x++;
            }
            if (x == ldiv) {
                return 1;
            }
        }
        i++;
    }
    return 0;
}
```

Output: s = "abab" true
 s = "aba" false