C++ STLs / JAVA JCF

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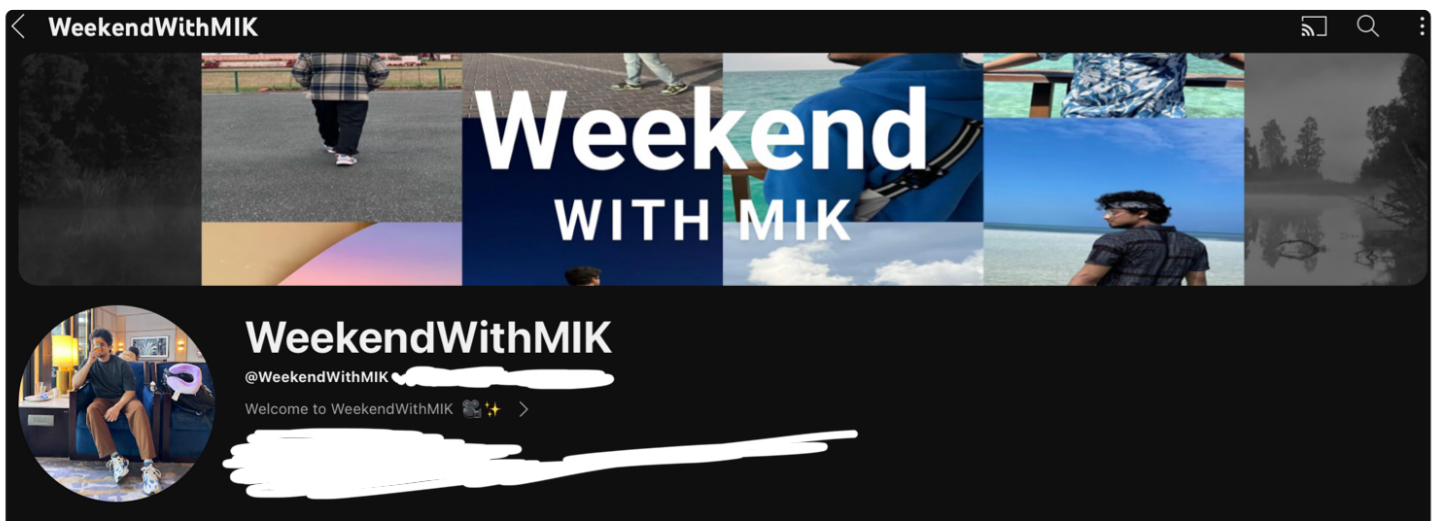
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Motivation :-

If something really interests you, you will do anything possible to achieve it.

♥ MIK...

Ask yourself — Do you really want your dream goal ???
Are you really working hard for it ???

Importance of Lambda captures in C++/JAVA

2942. Find Words Containing Character

Easy   ◇ Topics   🔒 Companies   💡 Hint

You are given a **0-indexed** array of strings `words` and a character `x`.

Return *an **array of indices** representing the words that contain the character* `x`.

Note that the returned array may be in **any** order.

Example :-   words = $\left[\overset{0}{\text{"code"}}, \overset{1}{\text{"story"}}, \overset{2}{\text{"with"}}, \overset{3}{\text{"mik"}}\right]$

x = "O"

Output :- $\left[0, 1\right]$

$$C++ \longrightarrow std:: any\text{-}of(\ )$$

all-of ( )
none-of ( )

for $(i = 0; \quad i<n; \quad i++)$ {

    // words[i] = "code";

```
if (any_of (begin(words[i]), end(words[i]),
                     lamda) == True)

     result.push_back (i);

}
```

lambdaCapture   Parameter

```
auto  lamda = [&x] (char ch) {

       return (ch == x);       & ← by reference
                               ← by value

};
```

$$vec = \{ 2, 4, 8, 6, 7\}$$

```
if (any_of (begin(vec), end(vec), lambda)){

       "Yes";
}
```

```cpp
)
auto   lambda = [ ] (int i) {

        return (i/.2 !=0);
                   odd
} ;
```

Java :-

anyMatch

```java
for (i=0 ;  i<n; i++) {

    if (words[i].chars().anyMatch (ch ->ch ==x)){
        result.add (i);
    }
}
```