

```
/*
```

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Assignment: E6.21, e.g., Lab1C

Upper case words come first in vector staying in the same order

```
*/
```

```
#include <cmath>
```

```
#include <vector>
```

```
#include <iostream>
```

```
using namespace std;
```

```
vector<string> capitalFirst(vector<string> a);
```

```
int main()
```

```
{
```

```
    vector<string> result;
```

```
    vector<string> a{ "hello", "Why", "lol" };
```

```
    result = capitalFirst(a);
```

```
    for(int i = 0; i < result.size(); i++)
```

```
    {
```

```
        cout << result[i] << " ";
```

```
    }
```

```
}
```

```
vector<string> capitalFirst(vector<string> a)
```

```

{
    vector<string> capital; //2 vectors to hold uppercase and lowercase strings
    vector<string> lower;

    for(int i = 0; i < a.size(); i++)
    {
        //bool isCapital = false;
        //cout << a[i][0]<< " ";
        if(a[i][0] < 65 || a[i][0] > 90) //not uppercase
        {
            lower.push_back(a[i]);
        }

        else
        {
            //bool isCapital = true; //is uppercase
            capital.push_back(a[i]);
        }
    }

    for(int i = 0; i < lower.size(); i++)
    {
        capital.push_back(lower[i]); //uppercase vector + lowercase vector
    }

    return capital;
}

```