# HW_Print First Vowel occurrence

```java
Scanner s = new Scanner(System.in);
int n = s.nextInt();

char charArray[] = new char[n];
for(int i = 0; i < n; i++){
    charArray[i] = s.next().charAt(0);
}

//index of first vowel
int index = -1;
for(int i = 0; i <n;i++){
    if(isVowel(charArray[i])){
        index = i;
        break;
    }
}
System.out.println(index);
}

public static boolean isVowel(char c){
    return c == 'a' || c == 'e' || c == 'i' || c == 'o' || c == 'u';
}
```

s

arr

| 0 | 1 | 2 | 3 | 4 |
|---|---|---|---|---|
| b | c | i | o | z |

index = -1 2

2

i = 0

arr[0] = b F

i = 1

arr[1] = c F

i = 2

arr[2] = i - T

break

3

| 0 | 1 | 2 |
|---|---|---|
| b | c | d |

index = -1

o/p (-1)

i = 0

arr[0] = b F

i = 1

arr[1] = c

F

i = 2

arr[2] = d

f

# HW_Print All Composite Number of Array

```
    scanner s =
        int n;
    int arr[] =
        for(){
            arr[i]
        }

    // output
    for(){
        if(isComposite(num)){
            Syso(num);
        }
    }
}

public static boolean isComposite(int num){
    if(num <= 1) return false;
    for(int i = 2; i <= Math.sqrt(num); i++){
        if(num % i == 0){
            return true;
        }
    }
    return false;
}
```

n=3 arr: 0 1 2 | 5 | 10 | 1 |

[1, 5]

1 3 9

i=0

arr[0] = 5

i = 2 ; i ≤ 2 ...

5 % 2 == 0 F

i = 1

arr[1] = 10

i = 2 ; i ≤ 3

10 % 2 == 0 T

10 % 3 == 0 F

T

o/p → 10

i = 2

arr[2] = 1

1 ≤ 1 T - F

# HW_First NON Matching Value From End

```
Scanner s =

    // first array input

    // second array input

    // first mismatch index
    int index = -1; // deafualt value if all ele match
for(int i = n -1; i >= 0; i--){
    if(arr1[i] != arr2[i]){
        index = i;
        break;
    }
}
Syso(index);
```