

#To find the largest number in an array

- 1.set the numbers in an array a[10]
- 2.initialize i to 0
- 3.compare a[i] and a[i+1]
- 4.if a[i]>a[i+1], a[i+1]=a[i]
- 5.increment and go to step 2
- 6.end the loop, largest number is a[i+1]

#Checking for prime number or not

```
1.enter a number
2.for range from{2,7}{  
    if 7 is divisible by any of the number{  
        return true  
        the number is not prime  
    }  
    else {  
        return false  
        the number is prime  
    }  
}
```

#Checking for fibonacci

```
1.declare an array
if input is 0{  
    enter 1 to array}  
else if input 1{  
    enter 0 and 1 to array}  
else{  
    enter(current element+previous element)  
}  
print(array)
```

#Checking for palindrome

```
1.initialize a string,start
2.calculate length of string
3.use rev as an empty string
4.initialize i=length-1
5.rev=rev+character at position i of the string
6.decrement --i
7.check i>=0
8.Is given string = rev
9.enter palindrome
```

#Count the vowels

```
1.initialize a string,count
2.set an array of vowels [a,e,i,o,u]
3.process throughout string{  
    if element of string is in vowels{  
        increment the count  
    }  
4.print the value of count
```

#factorial calculation

- 1.take a number
- 2.Initialize f=1,i=1
3. if($i \leq num$) {
 $f *= i$
}
print f

#basic calculator

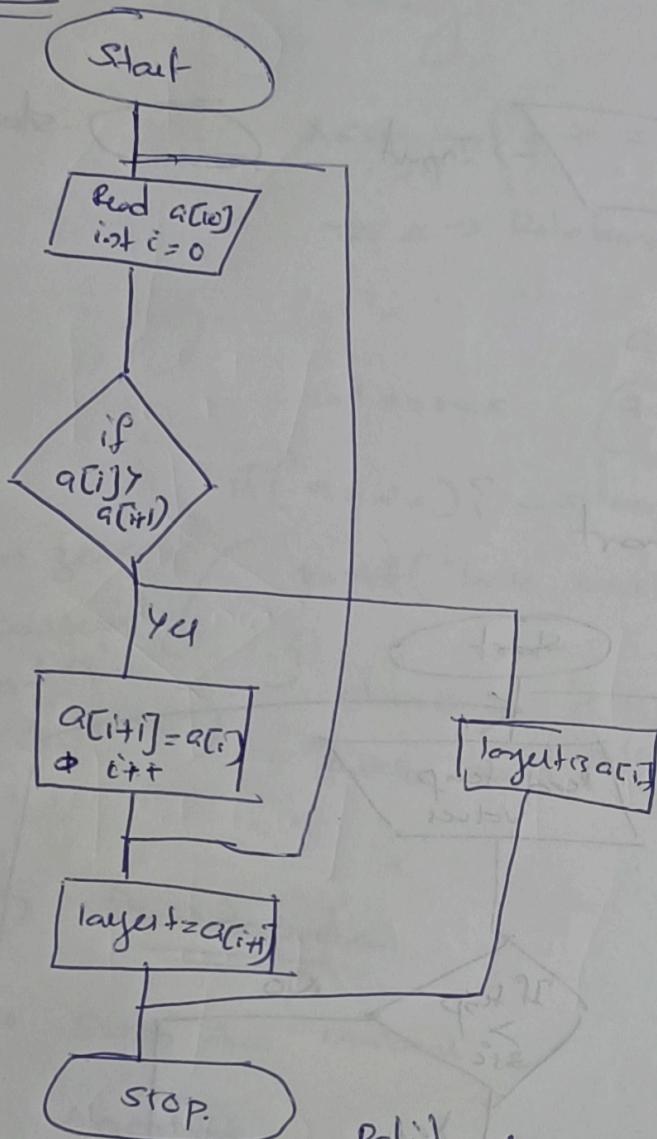
- 1.initialize values a=4,b=6
- 2.enter the input by user
- 3.By using if and elseif do a+b,a-b,a/b,a*b
- 4.print output

#bubble sort

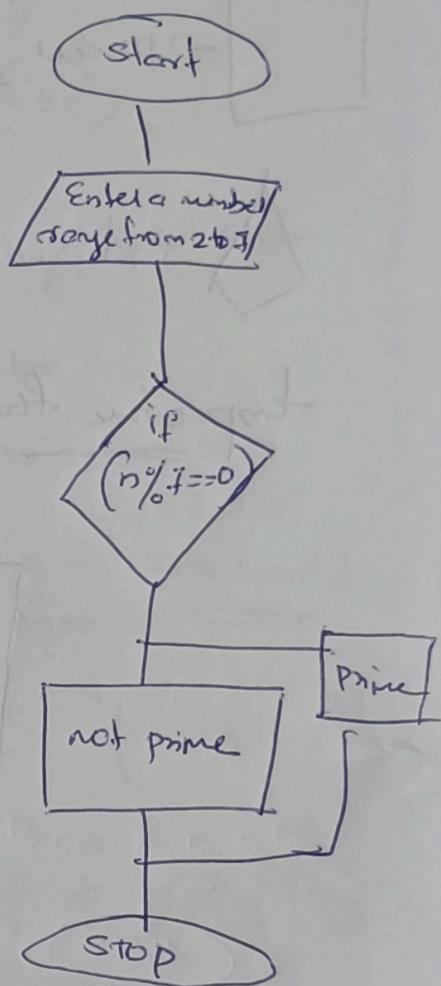
- 1.Initilaize an array
- 2.for i from 0 to arr.length-1
- 3.swapped false
- 4.for j from 0 to arr.length-i-1
- 5.if arr[j]>arr[j+1]
- 6.swap arr[j] and arr[j+1]
- 7.swapped true

Flowchart

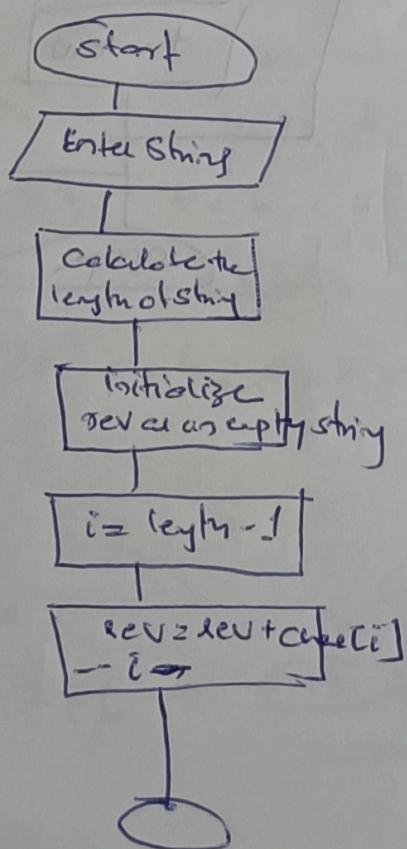
Layout number

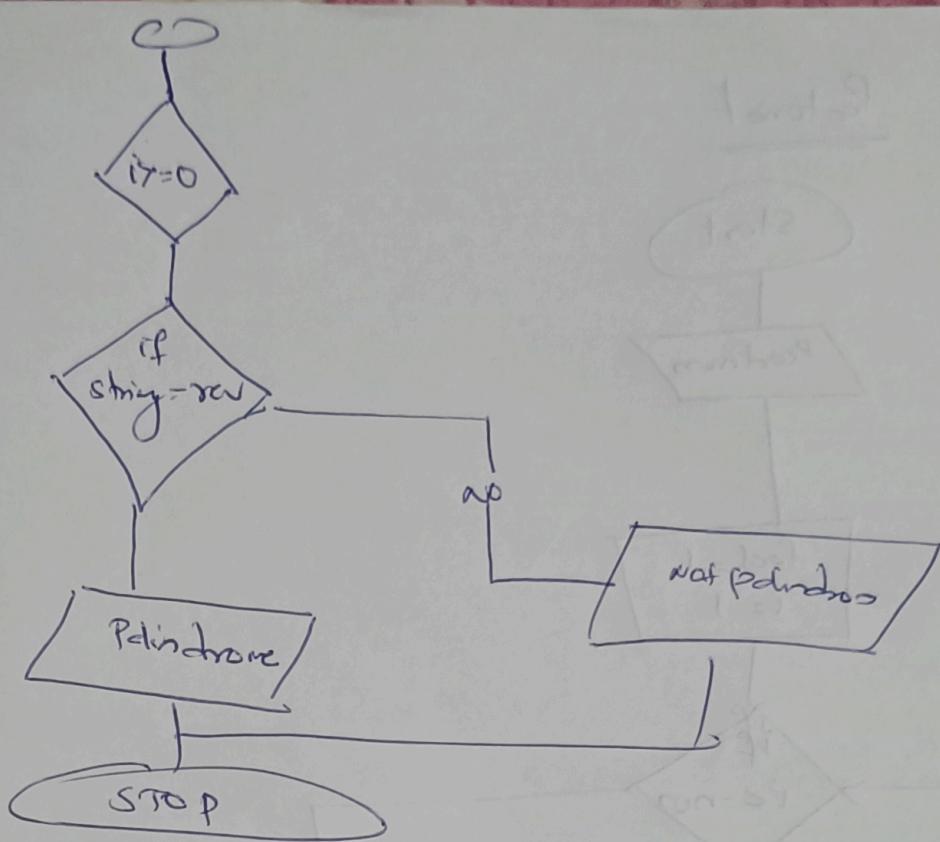


Prime number

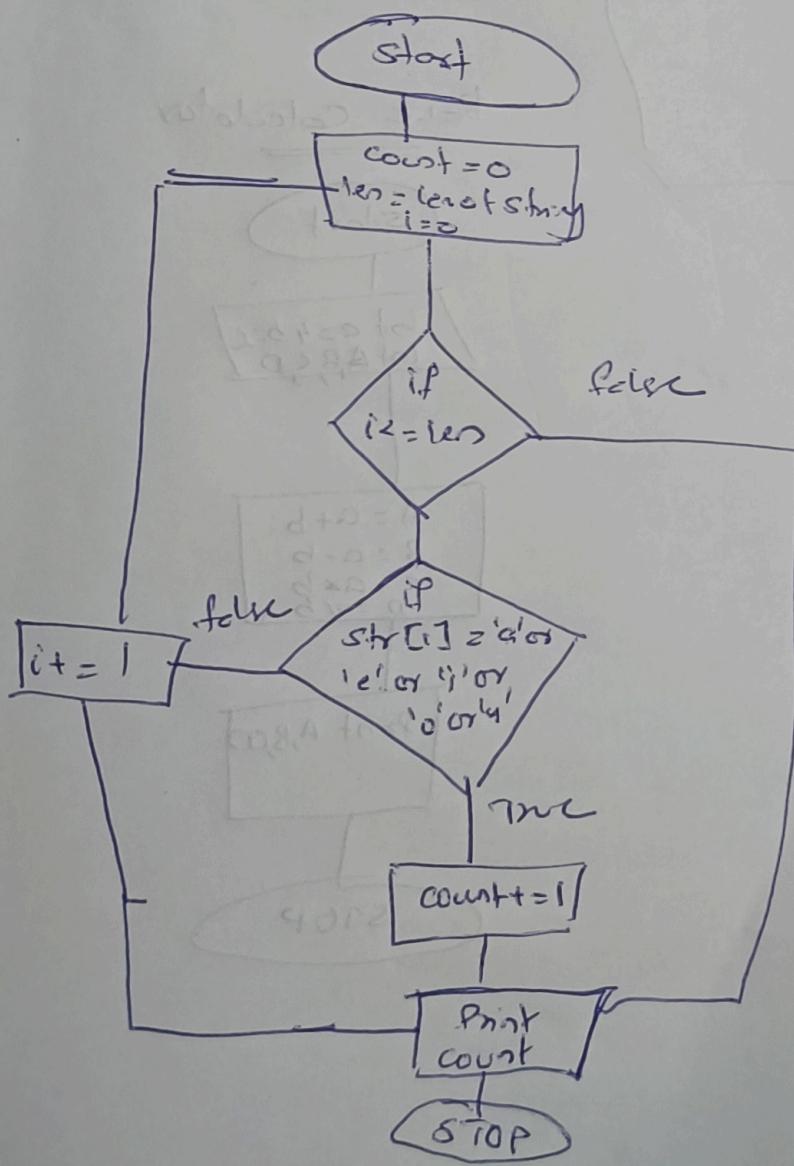


Palindrome

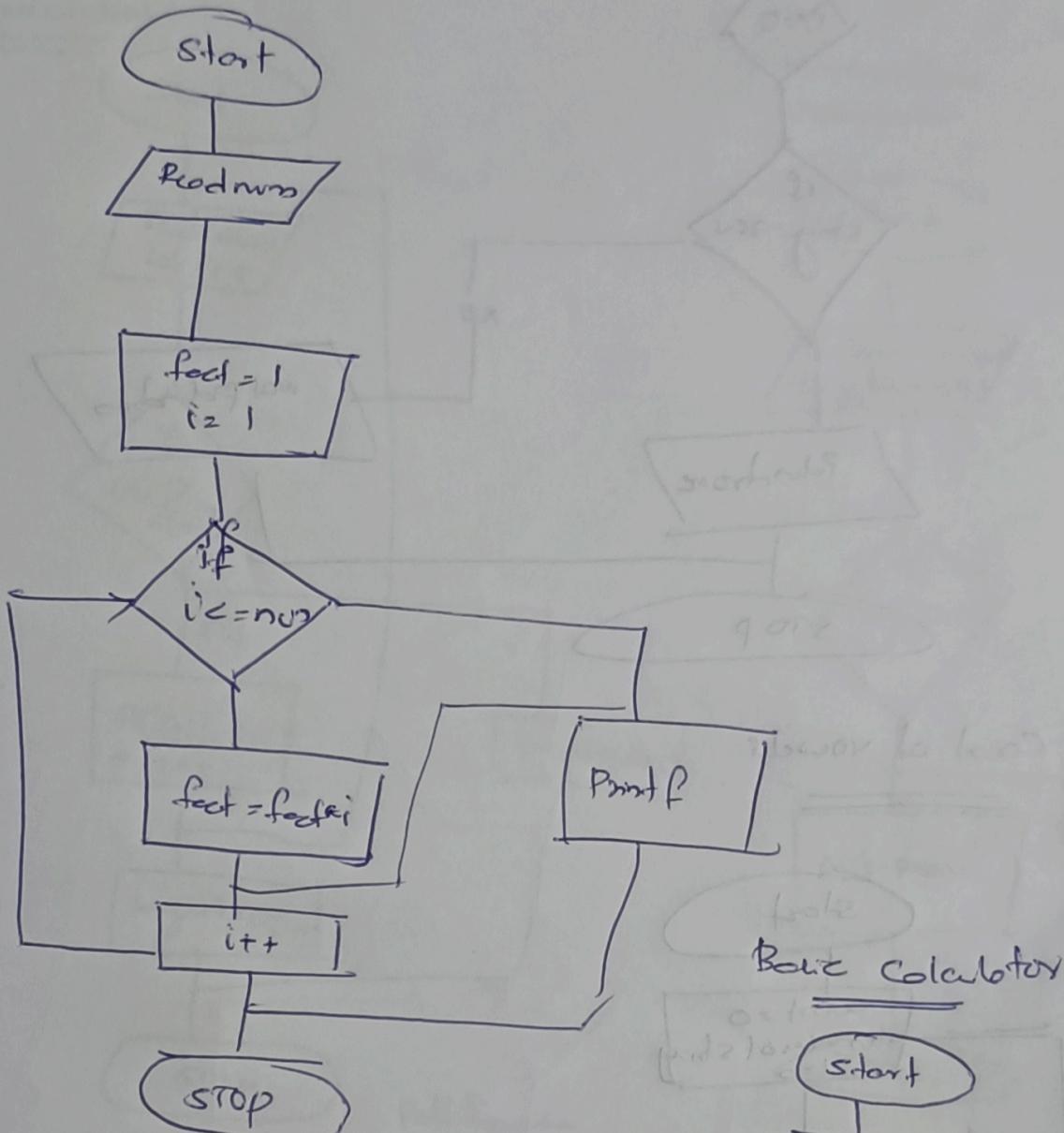




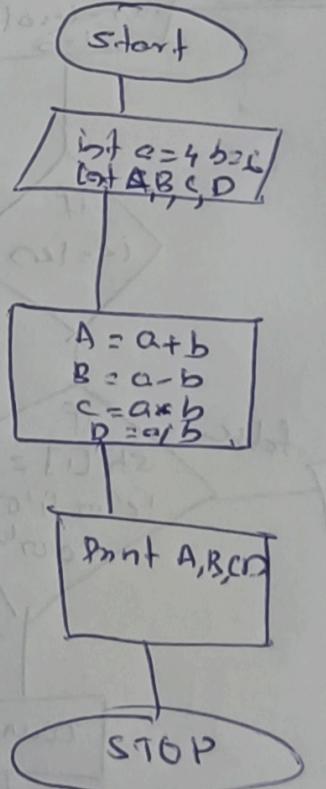
Count of vowels



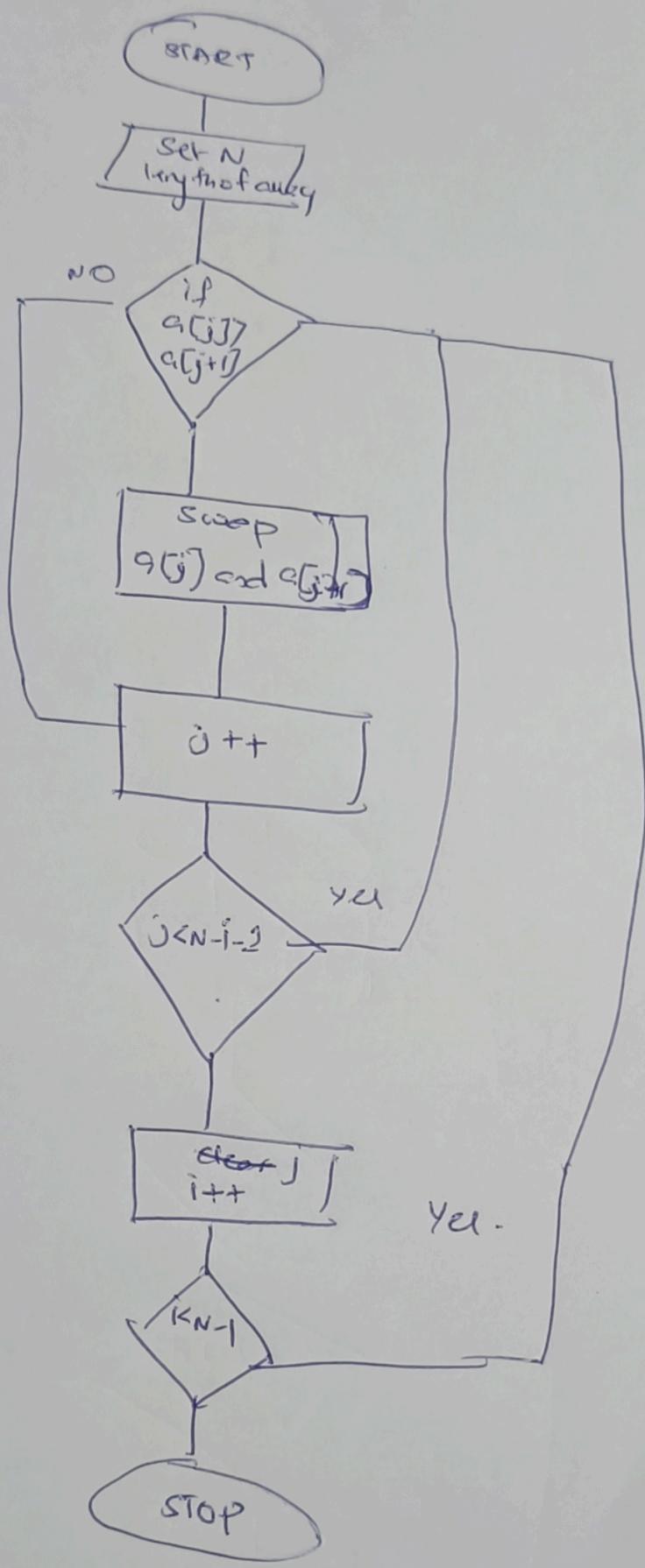
Factorial



Basic calculator



Bubble sort



Fibonacci Series

