**1. Flow chart: Check palindrome**

Read string Value flag =0;

For (i=0; j=len-1;i<len/2;i++,j--)

String[i]=string[j]

Flag =0

Flag = 1

yes

Flag ==0?

Palindrome

Not palindrome

2. **Flow chart : Prime Number**

Not prime

Is Prime

If a/2==0

Initialise the value ‘a’

**Yes no**

**3. Flowchart: Calculator:**

Print div

C=a/b

Print multiplication

C=a\*b

Print Sub

Switch case C

C=a-b

Print Sum

C=a+b

+ :Addtion

-: Subtraction

\*:Multiplication

/: Division

Input a, b, c

**Yes**

**4. Flowchart: Fibonacci Series:**

If c<= n

C=a+b

a=b

b=c

c=c+1

Print a

C=1,a=1,b=1

Input n

**Yes**

**No**

**5. Flow chart: Count Vowels:**

i+=1

Print count

Count+=1

If

Str[i]= ‘a’ or ‘e’ or ‘I’ or ‘o’ or ‘u’

If i<=len?

Count=0

Len= length of string

i=0

**no**

**no**

**true**

**6. Flow chart: Factorial Calculation:**

Print fact

i++

Fact=fact + i

i<=num

Fact =1

i=1

num

**no Yes**

**7. Flow chart: Find the Largest Number:**

Largest = a[i]

i=i+1

Is a[i] > largest

i=n?

Largest=a[0]

I=0

yes

no

**8.. Flow chart: Sorting an Array**

Input array

i>=0&i<n

true

Swap=false

Swap=true

a[j-1]>a[j]

true

J<n

Swap a[j],a[j-1]

false

Swap=false

true