**Psuedo code:**

**1. Check for Palindrome:**

Start

Read string Value flag =0;

Initialise condition for i,j

If String i is equal to string j ,then flag =1 is excuted

If the condition flag==0? Is true then palindrome is printed

If the condition is wrong not palindrome is printed

2. **Prime Number**

Start

Initalise the integer value a

In condition if the interger value is divided by 2 and result is 0 then it is not prime

Or else it is prime.

3.  **Calculator:**

Start

Give the interger variables a,b,c;

Open switch case and give the conditions for sum,diff,multi,div

Once executed print sum,diff,multi,div

End the if condition

Default: print invalid

End

4. **Fibonacci Series:**

Start

take input n and initialize a, b, c variables

mention for condition c=a+b

a=b

b=c

if the condition c<= n is true output is printed

5. **Count Vowels:**

Start the program

Initialise and assign values Count=0

Len= length of string

i=0

after initialization give the condition i+=1

If i<=len?

If

Str[i]= ‘a’ or ‘e’ or ‘I’ or ‘o’ or ‘u’ if these two conditions are true

Count+=1 is executed and count is printed

6. **Factorial Calculation:**

Start

Give the integers num, and initialize fact and I variables

If this condition i<=num is true ,Fact=fact + I is executed and output is printed

Else i is incremented

7. **Find the Largest Number:**

Start

Initialize the interger value i=0

Give the condition as i=n?, is a[i]> largest?

If the condition is yes the largest number is printed

If it is no I will be increment and then executed

8**. Sorting an Array**

Start

Give input array

If the condition i>=0&i<n is true then swap is false

If the condition is a[j-1]>a[j] is true then swap is true after this condition

Swap a[j], a[j-1] is executed if condition is false then j<n is done.

End the code.