21.1) 1- X^2/2! + X^4/4! - X^6/6! + X^8/8! - X^10/10!

**Step1**:- Start

**Step2**:- input x

**Step3**:- use a for loop (counter = 0, power = 0; power <= 10; counter++, power = power + 2)

**Step4**:- use a for (f\_coun = power; f\_coun >= 1; f\_coun--) to determine factorial value

**Step5**:- fact \*= f\_coun

**Step6**:- end loop

**Step7**:- determine the value of series using this sum = sum + (pow(-1, counter) \* (pow(x, power) / fact))

**Step8**:- End loop

**Step9**:- printing sum

**Step10**:- Stop

21.2) x-x3/3!+x5/5!...................up to n

**Step1**:- Start

**Step2**:- input x and n

**Step3**:- use a for loop (counter = 0, power = 1; power <n; counter++, power = power + 2)

**Step4**:- use a for (f\_coun = power; f\_coun >= 1; f\_coun--) to determine factorial value

**Step5**:- fact \*= f\_coun

**Step6**:- end loop

**Step7**:- determine the value of series using this sum = sum + (pow(-1, counter) \* (pow(x, power) / fact))

**Step9**:- printing sum

**Step10**:- Stop