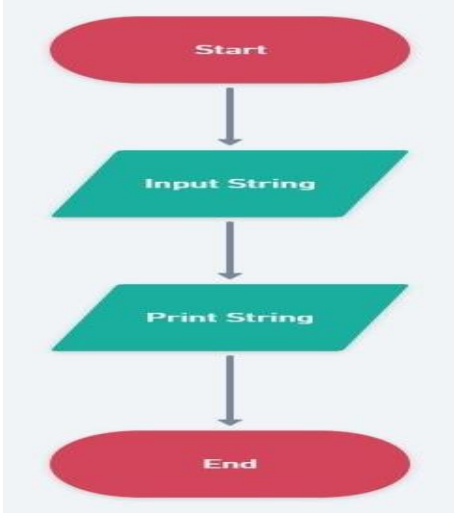


	Practical 4
Program 4.1(a)	Write something about your characteristics not more than 50 words using gets function and print out the same using puts function.
Flowchart	 <pre> graph TD Start([Start]) --> Input[/Input String/] Input --> Print[/Print String/] Print --> End([End]) </pre>
Algorithm	Step 1: Start Step 2: Input String Step 3: Print String Step 4: Stop
Code	<pre> //This program is Prepared by 23CS041_DHRUV_LOKADIYA #include<stdio.h> void main() { char c[50]; printf("\n enter about your self in 50 words."); gets(c); printf("\n\n"); printf("\n 23CS041_CS1"); puts(c); } </pre>
Output	<pre> enter about your self in 50 words.My Name is Dhruv.I am from surat.I am 18 year old.My college name is charusat. 23CS041_CS1My Name is Dhruv.I am from surat.I am 18 year old.My college name is charusat. </pre>
Question	1. What is the significance of using gets and puts? Are they acting as replacement of any function? How?

Answer	<p>>>gets (): Significance: It is used to take input from user. Replacement: It is used instead of scanf() function >>puts (): Significance: It is used to print output Replacement: It is instead of printf() function</p>
Program 4.1(b)	Write a program to convert the decimal number into octal and hexadecimal format. Print hexadecimal and octal values for given inputs in expected outcomes.
Flowchart	<pre>graph TD; Start([Start]) --> Input[/Input Decimal Number/]; Input --> Process[Convert Into Hexadecimal & Octal Using (%x & %o)]; Process --> Output[/Print HexaDecimal & Octal Values/]; Output --> End([End]);</pre> <p>The flowchart illustrates the process of converting a decimal number into hexadecimal and octal formats. It begins with a 'Start' terminal, followed by an 'Input Decimal Number' process, then a 'Convert Into Hexadecimal & Octal Using (%x & %o)' process, then a 'Print HexaDecimal & Octal Values' process, and finally an 'End' terminal.</p>
Algorithm	<p>Step 1: Start Step 2: Input a Decimal Number Step 3: Convert into HexaDecimal & Octal using(%d & %o) Step 4: Print HexaDecimal & Octal Values Step 5: End</p>

Code	<pre>//This Program is Prepared by 23CS041_DHRUV_LOKADIYA #include<stdio.h> int main() { int i; printf("\n enter a number:"); scanf("%d",&i); printf("\n octal value=%o",i); printf("\n hexadecimal value=%x",i); printf("\n 23CS041_CS1"); return 0; }</pre>
Output	<pre>enter a number:25 octal value=31 hexadecimal value=19 23CS041_CS1</pre>

Sign:

Grade: