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1.) DRAW FLOW CHART AND ALGORITHM ON THE FOLLOWINGS:
A. ADDITION OF TWO NO.
Ans.: Algorithm to add two numbers entered by user. Step 1: Start Step 2: Declare variables num1, num2 and sum. Step 3: Read values num1 and num2. Step 4: Add num1 and num2 and assign the result to sum. sum + num1+num2
Step 5: Display sum Step 6: Stop C program to demonstrate this algo:: progleam to get sum of two numbers
#include
int main() { int num1, num2, sum;

printf("Enter the numbers you want to sum\n\n");
printf("enter the first number:\n"); scanf("%d".&num1);
_printf("\nenter the second number:\n"); _scanf("%d",&num2);
sum = num 1+num 2;
printf("\nsum of two numbers %d and %d is %d",num1, num2, sum);
return 0;
B. MULTIPLICATION OF THREE NO.
Ans.: Multiplication to add two numbers entered by user.
Step 1: Start Step 2: Declare variables num1, num2 and product.
Step 3: Read values num1 and num2. Step 4: Add num1 and num2 and assign the result to product.
product - num1*num2
Step 5: Display product Step 6: Stop

C program:
include
int main()
{
int num1, num2, product;
printf("\nEnter the value of the first number: \n");
scanf("%d", # 1);
printf("\nEnter the value of the second number: \n");
scanf("%d", # 2);
product = num1*num2;
printf("Product of the two numbers %d and %d is %d\n", num1, num2,
product);
return 0;
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C. CONVERSATION OF FARENHITE TO CELCIUS.
Ans.: Algorithm:
Step 1: Read temperature in Fahrenheit,

Step 2: Calculate temperature with formula C=5/9*(F-32),
Step 3: Print C
C program:
#include
0
int main()
float celsius, fahrenheit;
*/Input temperature in fahrenheit */
printf("Enter temperature in Fahrenheit: "); scanf("%f", &fahrenheit);
SCANCE AS , OCHAPCHACILY;
*/Fahrenheit to celsius conversion formula */
celsius = (fahrenheit - 32) * 5 A;
*/Print the value of celsius */
printf("%.2f Fahrenheit = %.2f Celsius", fahrenheit, celsius);
return 0;
}
D. AREA AND PERIMETER OF RECTANGLE

Ans.: Algorithm :
Step 1: START
Step 2: ACCEPT THE LENGTH OF RECTANGLE SAY LENGTH
Step 3: ACCEPT THE BREADTH OF RECTANGLE SAY BREADTH
Stop 4: COMPUTE THE PERIMETER WITH THE HELP FORMULA
PERIMETER=2 * (L + B)
Stop 5: DISPLAY PERIMETER
Step 6: COMPUTE THE AREA WITH THE HELP FORMULA
AREA=LENGTH*BREADTH
Step 7:DISPLAY AREA
Step 8: STOP
C program:
#include
int main()
1
float length, breadth, perimeter area;
printf("Enter the length of rectangle: ");
scanf("%f", &length);
printf("Enter the breadth of rectangle: ");
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scanf("%f", &breadth);
perimeter = 2*(length+breadth);
printf("\n\nPeremeter of rectangle is: %f "perimeter);
area = length*breadth;
printf("\nArea of rectangle is: %f ",area);
return area;
}
E. SWAP OF TWO NO. USING THIRD VARIABLE
Ans.: Algorithm:
step 1:Declare a variable x, y and temp as integer step 2:Read two numbers x and y
step 4:x=y
step 5:y=temp step 6:Print x and y
C program:
o programme

#include
Hinclude
int main()
{
int x, y;
printf("Enter Value of x: ");
scanf("%d", &x);
printf("\nEnter Value of y: ");
scanf("%d", &y);
int temp = x;
x = y;
y = temp;
printf("\nAfter Swapping: x = %d, y = %d", x, y);
return 0;
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F. SWAP OF TWO NO WITHOUT USING THIRD VARIABLE
Ans.: Algorithm:
STEP 1: START
STEP 2: ENTER A. B
STEP 3: PRINT A. B
STEP 4: A = A + B

	STEP 5: B= A - B
	STEP 6: A = A - B
	STEP 7: PRINT A. B
	STEP 8: END
	C program:
	#include
	int main()
	ſ
	int a b:
	printf("Enter numbers to swap");
	scanf("%d %d", &a, &b);
	printf("numbers before swap a=%d b=%d",a,b);
20000	
	printf("\nNumbers after swap a=%d b=%d", a, b);
	return 0;
	G. FIND LARGEST OF THREE NO.
	Ans.: Using ternary operator method.
	Algorithm:

step 1: Declare a variable a, b, c and largest as integer
step 2: Read the number a, b and c
step 3: max = a > b Za > c & c) (b > c & c)
step 4: print max
C program:
#include
200 - 20 A
int main() { int a, b, c, max;
printf("Enter three numbers:");
printf("\n\ta:");
scanf("%d", & a);
printf("\t6:");
scanf("%d", & b);
printf("\to:");
scanf("%d", & c);
Wing ternary operator to evaluate
max = a > b (a > b 2 c) (b > c 2 c);
printf("%d is the largest number amoung %d, %d and %d.", max, a, b, c):

2. WHAT IS ALGORITHM?
Ans.: Algorithm:
It refers to a set of rules/instructions that step-by-step
define how a work is to be executed upon in order to get the expected
results.
Advantages of Algorithms:
a. It is easy to understand.
b. Algorithm is a step-wise representation of a solution to a given problem
c. In Algorithm the problem is broken down into smaller pieces or steps
hence, it is easier for the programmer to convert it into an actual progra
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3. WHAT IS FLOWCHART?
3. WHAT IS PLUWLHAKT:
Ans.:Flowchart is a graphical representation of an algorithm.
Programmers often use it as a program-planning tool to solve a problem.
It makes use of symbols which are connected among them to indicate the
flow of
information and processing.