1. Write a C program that will take two integers as input. The program will show the sum, difference, multiple, quotient and remainder of the inputs.

Sample Input: 5 2

Sample Output: The sum of 5 and 2 is 7

The difference of 5 and 2 is 3 The product of 5 and 2 is 10 The quotient of 5 and 2 is 2 The remainder of 5 and 2 is 1

2. Write a C program that will take "year" (integer type) as input from user. The program will decide whether the input "year" is leap year or not.

Sample Input: 1704

Sample Output: 1704 is a leap year

Sample Input: 1700

Sample Output: 1700 is not a leap year

Sample Input: 2000

Sample Output: 2000 is a leap year

3. Write a C program that will take an integer as input from user. The program will decide whether it is even or odd.

Sample Input: 10

Sample Output: 10 is an even number

Sample Input: 11

Sample Output: 11 is an odd number

4. Write a C program that will take an integer as input from user. The program will decide whether it is positive or negative.

Sample Input: 10

Sample Output: 10 is a positive number

Sample Input: -5

Sample Output: -5 is a negative number

5. Write a C program that will take an integer as input from user. The program will decide whether it is prime or not.

Sample Input: 29

Sample Output: 29 is a prime number

Sample Input: 10

Sample Output: 10 is not a prime number

6.	Write a C program tha	ıt will tak	e a cha	racter a	s input f	rom use	er. The p	rogram will d	ecide
	whether it is vowel or	not.							
	Sample Input:	а							
	Sample Output:	a is a v	owel						
	Sample Input:	S							
	Sample Output:	s is a c	onsona	nt					
7	Write a C program the	اد+ النبيد +	o turo i	ntogoro	a and b	ac innu	ı+ framı	usar Thanrag	النبي معربينا
7.	Write a C program that swap two values of th			_	, a anu b	, as impu	ıtıromı	iser. The prog	raiii Wiii
	Sample Input:	10	12						
	Sample Output:	a=12, l	o=10						
8.	Write a C program tha	ıt will tak	e an int	teger as	innut fr	om liser	. The nr	ogram will sh	owthe
0.	Fibonacci series withi			iegei as	mpatn	omasci	. The pi	ogram win sin	SW the
	Sample Input:	7	cgci.						
	Sample Output:	0	1	1	2	3	5	8	
9.	Write a C program tha			ıntegei	ras inpu	ts. The p	orogram	will decide w	hich the
	largest number amon	•		2					
	Sample Input:	3	1	2					
	Sample Output:	3 is lar	gest						
	Sample Input:	3	2	1					
	Sample Output:	3 is lar	gest						
	Sample Input:	2	1	3					
	Sample Output:	3 is lar	gest						
			J						
10.	Write a C program tha			_	as inpu	ts. The p	rogram	will decide w	hich the
	smallest number amo	_	•						
	Sample Input:	3	1	2					
	Sample Output:	1 is sm	allest						
	Sample Input:	3	2	1					
	Sample Output:	1 is sm	allest						
	Sample Input:	2	1	3					
	Sample Output:	1 is sm	allest						
11.	Write a C program that digits of the number.	ıt will tak	e an int	tegeras	input fr	om user	The pr	ogram will pri	nt the sum of
	Sample Input:	1470							
	Sample Output:		f digits:	- 12					
	Sample Output.	SuiliOl	uigits	- 12					

12. Write a C program that will take an integer as input from user. The program will count the digits of the number.

Sample Input: 1470

Sample Output: No. of digits = 4

13. Write a C program that will take two integers as input from user. The program will provide the power of the provided inputs as output.

Sample Input: 2 3Sample Output: 2 3 = 8

Sample Input: 3 4 Sample Output: 3 ^ 4 = 81

14. Write a C program that will take two integers as input from user. The program will provide the HCF (Highest Common Factor) of the provided inputs as output.

Sample Input: 36 48

Sample Output: The HCF of the numbers is 72

Sample Input: 15 75

Sample Output: The HCF of the numbers is 15

15. Write a C program that will take two integers as input from user. The program will provide the LCM (Least Common Multiple) of the provided inputs as output.

Sample Input: 36 48

Sample Output: The LCM of the numbers is 144

Sample Input: 15 75

Sample Output: The LCM of the numbers is 75

16. Write a C program that will take an integer as input from user. The program will decide whether the number is palindrome or not.

Sample Input: 12321

Sample Output: 12321 is a palindrome number

Sample Input: 1323

Sample Output: 1323 is not a palindrome number

17. Write a C program that will take an integer as input from user. The program will decide whether the number is armstrong or not.

Sample Input: 153

Sample Output: 153 is an armstrong number

Sample Input: 1634

Sample Output: 1634 is an armstrong number

Sample Input: 1632

Sample Output: 1632 is not an armstrong number

18. Write a C program that will take an integer as input from user. The program will show the reverse of the number.

Sample Input: 2694 Sample Output: 4962

19. Write a C program that will take an integer as input from user. The program will show the factorial of the number.

Sample Input: 5

Sample Output: Factorial of 5 = 120

20. Write a C program that will take two integers as inputs from user. The program will show sum of all natural numbers within this range.

Sample Input: 1 5

Sample Output: 1 + 2 + 3 + 4 + 5 = 15

21. Print the following pattern:

*

*

22. Print the following pattern:

1

2 3

456

78910

23. Print the following pattern:

1

22

3 3 3

4444

24. Print the following pattern:

10

98

765

4321

25.	Print the following pat	tern:											
	1												
	12												
	123												
	1234												
	12345												
26.	Print the following pat	tern:											
	4												
	3 3												
	222												
	1111												
27.	Write a C program that	t will tak	e two in	tegers a	sinputs	from us	er. The	program will show s	sum of				
	Write a C program that will take two integers as inputs from user. The program will show sum of all even numbers within this range.												
	Sample Input:		-										
	Sample Output:												
28.	Write a C program that	t will tak	e two in	tegers a	sinputs	from us	er. The	program will show a	all the				
	. Write a C program that will take two integers as inputs from user. The program will show all the even numbers within this range.												
	Sample Input:	1	6										
	Sample Output:	2	4	6									
		_	·										
29.	Write a C program that	t will tak	e two in	tegers a	sinputs	from us	er. The	program will show s	um of				
	all prime numbers wit			_	·								
	Sample Input:		6										
	Sample Output:												
			0 _0										
30.	Write a C program that	t will tak	e no. of	terms (i	ntegert	vpe) as i	nput fro	om user. The progra	m will				
	Write a C program that will take no. of terms (integer type) as input from user. The program will show the Fibonacci series within this integer.												
	Sample Input:	7											
	Sample Output:	0	1	1	2	3	5	8					
	Sample Output.	O	_	_	2	3	5	O					
21	Write a C program that	t will tak	e an inte	oger as in	anut froi	muser -	The nro	gram will show the					
J1.	Write a C program that will take an integer as input from user. The program will show the Fibonacci series within this integer.												
	Sample Input: 10												
			1	1	2	2	_	0					
	Sample Output:	0	1	1	2	3	5	8					
32.	Write a C program that will take 10 integers as inputs from user. The program will show the sum												
	of the inputs till a negative number is provided as input.												
	Sample Input:	1	2	3	5	-6							
	Sample Output:	11	_	3	5	J							
	Jampie Jatpat.	**											

33.	Write a C program that will take 10 integers as inputs from user. The program will show the sum of the inputs except the negative numbers (if any) provided as input.													
	Sample Input: Sample Output:	0 39	1	2		3	•	4		5	-6	7	8	9
34. Write a C program that will take an integer as input from user. The program will sho factors of the input.												ill show tl	he	
	Sample Input:	15												
Sample Output: 1, 3, 5, 15														
	Jampie Jaiput. 1, 3, 3, 13													
	Sample Input:	24												
Sample Output: 1, 2, 3, 4, 6, 8, 12, 24														
35.	Write a C program that							•			-	_		
	integers as inputs. The	prog	gram	will	sho	w th	e arr	ay w	/ith	out th	e eleme	nt whic	h is store	d in n-th
	index. (Use array)													
	Sample Input:	4												
		0	1	2	3	4	5	6		7	8	9		
	Sample Output:	0	1	2	4	5	6	7		8	9			
	Sample Input:	7												
		0	2	5	3	1	6	4		7	9	8		
	Sample Output:	0	2	5	3	1	6	7	9	8				
36.	Write a C program that					gers	as in	puts	s. Th	ne pro	gram wi	ll show t	the avera	ge of the
	values provided as inpu	ıts. (Use	arra	-									
	Sample Input:	0	1	2	3	4	5	6		7	8	9		
	Sample Output:	4.5												
	Sample Input:	10		5	3	1	6	4		7	9	8		
	Sample Output:	5.5	5											
37.	Write a C program that					_		-	s. Th	ne pro	gram wi	ll show t	the maxir	num
	among the values prov			•	-									
	Sample Input:	0	1	2	3	4	5	6		7	8	9		
	Sample Output:	9												
	6 1 1 1	_	40	_	_		_			_	•			
	Sample Input:	2	10	5	3	1	6	4		7	9	8		
	Sample Output:	10												
38. Write a C program that will take a string as input. The program will show how many vowels											vals			
50.	consonants, spaces are there.													
	Sample Input:	This is my country												
				-	Juill	.ı y								
	Sample Output: vowels = 4													

Sample Output:

vowels=4

consonants = 11 spaces = 3

Sample Input: Programming Sample Output: vowels = 3

consonants = 8 spaces = 0

39. Write a C program that will take a string as input. The program will show the length of the string.

Sample Input: This is my country

Sample Output: 18

Sample Input: Programming

Sample Output: 11

40. Write a C program that will take 2 strings as inputs. The program will concat the two strings.

Sample Input: Hello

world

Sample Output: Hello world

Sample Input: Programming is

fun

Sample Output: Programming is fun

41. Write a C program that will take a string as input. The program will show the reverse of the

string.

Sample Input: This is my country Sample Output: yrtnuocym si sihT

Sample Input: Programming Sample Output: gnimmargorP

42. Write a C program that will take 2 strings as inputs. The program will compare the two strings and decide whether they match or not.

Sample Input: Hello

world

Sample Output: Not matched

Sample Input: Programming

Programming

Sample Output: Matched

43. Write a C program that will take two integers as inputs from user. The program will show sum of all even numbers within this range. (Use function)

Sample Input: 1 6Sample Output: 2 + 4 + 6 = 12

44. Write a C program that will take two integers as inputs from user. The program will show sum of all even numbers within this range. (Use recursion)

Sample Input: 1 6Sample Output: 2+4+6=12

45. Write a C program that will take two integers as input from user. The program will provide the power of the provided inputs as output. (Use recursion)

Sample Input: 2 3Sample Output: 2 3 = 8

Sample Input: 3 4Sample Output: 3 4 = 81

46. Write a C program that will take two integers as input from user. The program will provide the sum of all the integers within this range. (Use function)

Sample Input: 1 3

Sample Output: 6

Sample Input: 3 6

Sample Output: 18