

Fwd: Flowchart-Questions

1 message

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Subject: Flowchart-Questions
To: shikhar shukla <shikhar23@navgurukul.org>

Original	Statement	
Code		Code
	Create a program that asks the user for two numbers, adds them together, and then displays the result. Here are a few examples of inputs and expected outputs:	
	Test Case 1:	
	Input:	
	Number 1: 5	
	Number 2: 3 Output:	
	Sum: 8	
	Test Case 2:	
	Input: Number 1: -2	
	Number 1: -2 Number 2: 7	
	Output:	
-C001	Sum: 5	NFC2
	Problem: Create a program that takes two numbers from the user and calculates their average.	
	Test Cases:	
	1. Input: 5, 7 Output: Average of 5 and 7 is 6.	
	Output. Average of 3 dilu 7 is 0.	
FC002	2. Input: 10, 20 Output: Average of 10 and 20 is 15.	NFC3
	Problem Statement:	
	write a program to calculate the area of a triangle based on its base and height. You need to create a program that takes the base and height of the triangle as input from the user and then calculates and displays the area of the triangle.	
	Test Cases: 1. If the base is 6 units and the height is 4 units, the area of the triangle is expected to be 12 square units. 2. For a triangle with a base of 9 units and a height of 7 units, the calculated area should be 31.5 square units. 3. When the base is 12 units and the height is 8 units, the area of the triangle should be 48 square units.	
-C004		NFC5
C005		NFC7
C005	You have some money (let's call it "P") that you want to invest. You'll leave it invested for a certain number of years (let's call it	NFC8
C000	"N"). Every year, the money you have invested will grow by a certain percentage of the original amount, which is determined by the annual interest rate (let's call it "I").	INFCO

	The formula to calculate the total amount of money you'll have after "N" years is: $T = P * (1 + I/100)^N$	
	"T" is the total amount of money you'll have after "N" years. "P" is the initial amount of money you're investing. "I" is the annual interest rate (in percentage). "N" is the number of years the money is invested for.	
	Now, let's take some example test cases to understand how this works:	
	Test Case 1: - Initial amount (P): ₹1000 - Annual interest rate (I): 5% - Number of years (N): 3	
	Calculating: T = 1000 * (1 + 5/100)^3 = ₹1157.63	
	After 3 years, if you invest ₹1000 at an annual interest rate of 5%, you'll have ₹1157.63. Test Case 2: - Initial amount (P): ₹5000 - Annual interest rate (I): 8% - Number of years (N): 6	
	Calculating: T = 5000 * (1 + 8/100)^6 = ₹7934.37	
	After 6 years, if you invest ₹5000 at an annual interest rate of 8%, you'll have ₹7934.37. Write a program to show how to swap the values of two variables.	
	input: A = 10 B = 20 output: A = 20 B = 10	
FC007		NFC32
	Write a program to show how to swap the values of two variables without using a third variable. input: A = 10 B = 20 output: A = 20 B = 10	NFC33
FC008	Problem Statement:	INFC33
	Write a program that asks the user for their name, then displays a welcome message on the screen in the format "Welcome [name]". Test Cases: 1. Input: Alice Output: Welcome Alice 2. Input: Bob	
FC009	Output: Welcome Bob write a program that can perform four basic operations (addition, subtraction, division, and multiplication) on two given whole	NFC1
	numbers, A and B. Test Case: Inputs: A = 12, B = 4 Output: Addition: The sum of 12 and 4 is 16. Subtraction: The result of subtracting 4 from 12 is 8. Multiplication: The product of 12 and 4 is 48. Division: When 12 is divided by 4, the quotient is 3.	
FC010		NFC4
FC011	Write a program to calculate the area and perimeter of a rectangle.(Input length and breadth of the rectangle from the user)	NFC9
	Test Case1: You have a rectangle with a length of 8 units and a width of 5 units. Expected Output:	

	Area: 8 * 5 = 40 square units	
	Perimeter: $2 * (8 + 5) = 26$ units Test Case2: For another rectangle, the length is 12.5 units and the width is 6 units.	
	Expected Output:	
	Area: 12.5 * 6 = 75 square units Perimeter: 2 * (12.5 + 6) = 37 units	
	refiniteles. 2 (12.6 · 6) of diffe	
	Write a program to calculate the area and perimeter of a square.(Input side length of the square from the user) Test Case 1:	
	Input: Side length = 5 Output: Area = 25 square units, Perimeter = 20 units	
	Test Case 2:	
	Input: Side length = 8 Output: Area = 64 square units, Perimeter = 32 units	
FC012	A triangle is a shape with three sides. There's a special number called the "semiperimeter" that's helpful when working with	NFC10
	triangles. To calculate the semiperimeter, you need to know the lengths of all three sides of the triangle. You can get these lengths from the person using the program. Once you have these three numbers, you perform a few calculations to find the semiperimeter of the triangle.	
	Test Case 1:	
	Input: Side 1: 5	
	Side 2: 7 Side 3: 9	
	Output: The semiperimeter is: 10.5	
	Test Case 2: Input:	
	Side 1: 3	
	Side 2: 3 Side 3: 3	
	Output:	
FC013	The semiperimeter is: 4.5	NFC11
	You want to find out how much space is inside a circle this space is also called as Area. To do this, you need to know the length from the center of the circle to its edge. This length is called the radius. Your task is to create a program that will print the area of	
	circle. (take π = 3.14) formul to find the area of circle is :- π * (radius)^2	
	Test Case 1: input:	
	radius = 5	
	output :	
FC014	Area of circle with radius 5 is : 78.5	NFC12
	You want to find out the diameter of a circle when you know its circumference. The diameter is the distance across the circle through its center. To do this, you need to create a program that takes the circumference of the circle as input from the user and then calculates the diameter of the circle. (take $\pi = 3.14$)	
	formula : Diameter = Circumference / π	
	Input: 10	
	Expected Output: Diameter = 3.183	
	Input: 25.12	
	Expected Output: Diameter = 8	
	Input: 37.699 Expected Output: Diameter = 12	
FC015		NFC13
FC016	write a program to calculate the surface area of a cube. A cube is a box-like shape where all sides are the same length. There are two types of surface areas we can calculate: the lateral surface area and the total surface area.	NFC14
	1. Lateral Surface Area: This is the sum of the areas of the four sides (faces) of the cube that don't include the top and bottom. It's like the wrapping paper you would need to cover the sides of the cube.	
	2. Total Surface Area: This is the sum of the areas of all six sides (faces) of the cube. It includes both the lateral sides, top, and	
	bottom. Imagine covering the entire cube with wrapping paper.	
	Test Cases:	
	1. Input: Side length = 5 units output:	
	Lateral Surface Area: 4 * (5 * 5) = 100 square units	

	Total Surface Area: 6 * (5 * 5) = 150 square units	
	2. Input: Side length = 3 units	
	output : Lateral Surface Area: 4 * (3 * 3) = 36 square units Total Surface Area: 6 * (3 * 3) = 54 square units	
	3. Input: Side length = 7 units	
	output : Lateral Surface Area: 4 * (7 * 7) = 196 square units Total Surface Area: 6 * (7 * 7) = 294 square units	
	You have a cube, which is a 3D shape with all sides of equal length. Your task is to write a program that can find the volume of this cube. To do that, you need to know the length of one side of the cube.	
	Input: The length of one side of the cube. This will be provided by the user.	
	Output: The program should calculate and display the volume of the cube using the given side length.	
	Test Cases: 1. Input: Side length = 3 Output: Volume = 27 Explanation: If all sides are 3 units long, then the cube's volume is 3 * 3 * 3 = 27 cubic units.	
	2. Input: Side length = 5	
	Output: Volume = 125 Explanation: If all sides are 5 units long, then the cube's volume is 5 * 5 * 5 = 125 cubic units.	
	3. Input: Side length = 0	
FC017	Output: Volume = 0 Explanation: If the side length is 0, then the cube's volume is also 0.	NFC15
	Imagine a rectangular box, like a shoebox, which is called a cuboid. It has three different lengths: length, width, and height. The problem is about finding two things:	
	 Lateral Surface Area: This is the total area of the four sides of the cuboid, excluding the top and bottom faces. Total Surface Area: This includes the area of all six sides of the cuboid. 	
	formula for lateral surface area of cuboid : = 2 * height * (length + width) formula for Total surface area of cuboid : = 2 * (length * width + width * height + height * length)	
	You need to write a program that takes the three side lengths (length, width, and height) of the cuboid from the user as input and calculates both the lateral surface area and the total surface area.	
	Test Cases:	
	Test Case 1: Length: 5 unit Width: 3 units	
	Height: 4 units Lateral Surface Area: 2 * 4 * (5 + 3) = 64	
FC018	Total Surface Area: 2 * (5 * 3 + 3 * 4 + 4 * 5) = 94	NFC16
1 0010	Write a program to calculate the volume of a cuboid. (Input the side lengths of the cuboid from the user) formula for volume of cuboid = Length × Width × Height	NI CTO
	Test case 1: Length: 5 units	
	Width: 3 units Height: 2 units Expected Volume: 30 cubic units	
	Test Case 2: Length: 10 units	
	Width: 4 units	
FC019	Height: 6 units Expected Volume: 240 cubic units	NFC17
FC020	You need to create a program that takes a positive number as input from the user and then displays the last digit of that number. Test Cases:	NFC18
	Input: 6789 Output: Last digit is 9	
	Input: 0 Output: Last digit is 0	

	Input: 87432 Output: Last digit is 2	
	Write a program to calculate remainder when a is divided by b.	
	test case: 1	
	input : a = 12	
	a = 12 b = 3	
	output :	
	0	
	test case 2	
	input:	
	a = 12	
	b = 5 output:	
FC021	2	NFC19
	Write a program to calculate the quotient when a is divided by b.	
	test case : 1	
	input : a = 12	
	b = 3	
	output :	
	4	
	test case 2	
	input:	
	a = 12 b = 2	
	output :	
FC022	6	NFC20
	You want to create a program that calculates the selling price of a product when you know the Maximum Retail Price (MRP) and the discount percentage. The program should take inputs from the user, the MRP, and the discount percentage, and then it should calculate and display the selling price of the product after applying the discount.	
	Test Cases:	
	1. MRP: ₹100, Discount: 10%	
	Input: MRP = ₹100, Discount = 10%	
	Output: Selling Price = ₹90 (10% off from ₹100)	
	2. MRP: ₹50, Discount: 25%	
	Input: MRP = ₹50, Discount = 25%	
	Output: Selling Price = ₹37.50 (25% off from ₹50)	
	3. MRP: ₹200, Discount: 15%	
	Input: MRP = ₹200, Discount = 15%	
	Output: Selling Price = ₹170 (15% off from ₹200)	
FC023	Remember, the selling price can be calculated using the formula: Selling Price = MRP - (Discount / 100) * MRP	NFC21
	Write a program to calculate the square of a number.	
	Testcase: 1 input:	
	number = 12	
	output:	
	square = 144	
	test case : 2	
	input: number = 10	
	number = 10 output :	
FC024	square = 100	NFC22
	Write a program to calculate the cube of a number.	
	Testcase: 1 input:	
	number = 3	
	output :	
	square = 27	
	test case: 2	
	input:	
	number = 10	
FC025	output : square = 1000	NFC23
FC026	Write a program to calculate how many books we can buy if we have x Rs . (Cost of a book = Rs. y)(input x,y from user)	NFC24
	testcases: 1	
	input : x = 30 , y = 10 output : 3	
	output. 0	

	testcase :2 input : x = 100,y = 120 output : 0	
FC027	write a program to find out how many Pens can be bought if one pen costs Rs. 5 take the money from the user. testcases:1 input:30 output:6 testcase:2 input:50 output:10	NFC25
FCU2/	Write a program to calculate the total marks obtained by a student in examination. (Subjects : - Hindi, Maths, English, Science, Computer)(Input marks of all 5 subjects from the user) testcase : 1 input : Hindi = 30 Maths = 40 English = 20 Computer = 100 output:	NFC25
FC028	Write a program to calculate the percentage of each subject in the above question. input: Hindi = 30 Maths = 40 English = 20 Computer = 100 output: Hindi = 7.5 Maths = 10 English = 5	NFC26
FC029	Computer = 25 Write a program to determine the acceleration due to gravity (g), where g can be obtained from the following formula: $T = 2\pi(I/g)^{n}(1/2)$ where T = Time period of a simple pendulum And I = Effective length of the simple pendulum	NFC27
FC030	(Input T and I from user) A store sells Vadapavs & Samosas. They want a system where they enter the number of Vadapavs (V) and Samosas (S) a customer buys and a bill with the final price is automatically calculated and displayed. A Vadapav costs 12₹, while a Samosas costs 15₹. Write a program to create such a system. input: no_of_samosas = 3 no_of_vadapavs = 2 output:	NFC28
FC031	final_price : 69 Write a program to obtain the Fahrenheit equivalent of a temperature given in Celsius where the relationship between the two scales of temperature is C/5 = (F-32)/9 input : celsius : 30	NFC29
FC032	output: 86 You have two numbers, A and B. Your task is to find the largest number that is less than A and can be divided evenly by B. Can you figure out that number? input: A = 15 B = 4 output: 12 input: A = 27 B = 5	NFC30
FC033	output : 25 Take two numbers from user A and B. and check whether A is greater than B or A is less than B or A is equal to B.	NFC31
	Test case - 1 Input: A = 5 B = 8 Output: A is less than B	

	Test case - 2 Input :	
	A = 8 B = 5 Output:	
	A is greater than B	
	Test case - 3 Input: A = 8 B = 8 Output:	
	A is equal to B	
	Write a program to show how to determine the greater of the three given numbers. testcase: if we have given three numbers 10 and 100,20 then output should be 100 as it is greater in those three numbers.	
FC034	in we have given three numbers to and too,20 then output should be too as it is greater in those three numbers.	NFC34
	Write a program to take two sides as input and check whether it is a rectangle or a square.	
	testcase: if user given two sides as one side is 40 and another side is 40. then output should be "Square" if user given two sides as one side 40 and another is 20 then output should be "Rectangle".	
FC039		NFC35
	Test Case 1: SP = 500, CP = 400 Calculation: Profit = SP - CP = 500 - 400 = 100 Result: Profit of 100	
	Test Case 2: SP = 800, CP = 950 Calculation: Loss = CP - SP = 950 - 800 = 150 Result: Loss of 150	
	Test Case 3: SP = 300, CP = 300 Calculation: Profit = SP - CP = 300 - 300 = 0 Result: No profit, no loss	
FC040		NFC36
FC041	Write a program to check whether a number is the smallest 4 digit number.	NFC37
500.40	Write a program to check whether a number is the largest 3 digit number.	NESSO
FC042	Write a program to check whether a number is divisible by 7 or not.	NFC38
	testcase: input: 49	
	output: YES	
FC043	Write a program to check whether a number is even or odd.	NFC39
	input: 40 output: Even	
FC044	input: 23 output: Odd	NFC40
FCU44	Write a program to check whether the last digit of a number (entered by user) is divisible by 3 or not. input: 353 output: Yes	NFC4U
FC045		NFC41

	Write a program to check whether a person is eligible for voting or not. Age for voting is 18 years.	
	input: 49	
	output:	
	YES	
	input:	
	10 output:	
	No	
C046	Weite a second and display "Halla" if a growth an automathy the constitution of five setherm the grick "Doo"	NFC42
	Write a program to display "Hello" if a number entered by the user is a multiple of five , otherwise print "Bye". input:	
	10	
	output: Hello	
	input:	
00.47	output:	NIE 0 40
C047	Bye Write a program to check whether a number entered is a three digit number or not.	NFC43
	input:	
	374	
	output: YES	
	input:	
	input: 20	
C049	output: No	NFC44
5049	Write a program to check whether a person is a senior citizen or not(Senior citizen Age=60).	NFC44
	input:	
	60 output:	
	YES	
	input:	
	30	
C050	output: NO	NFC45
	Accept the temperature in degrees Celsius of water and check whether it is boiling temperature or not (boiling point of water is	6 .6
	100 C)	
	input: 100	
	output: YES	
	TES	
	input: 30	
	output:	
	NO	
051		NFC46
	A shop will give a discount of 10% if the cost of the purchased quantity is more than 1000. Ask the user for quantity, Suppose,	
	one unit will cost 100. Judge and print total cost for the user. input:	
	11	
	output 990	
	as total price will be 1100 because each unit costs 100 and total price is greater than 1000. so the 10 percent discount will applied and after applying this discount the answer will be 990.	
	input: 4	
	output:	
053	400 here quantuty he purchased is 4 it means purchased cost is 400 which is not greater than 1000 . so discount will not be applied.	NFC47
C054	A company decided to give a bonus of 5% of his salary to an employee if his/her year of service is more than 5 years. Ask users	NFC48
	for their salary and year of service and print the bonus amount.	
	input: 40,000 salary	
	6 years	

output: 2000	
A student will not be allowed to sit in an exam if his/her attendance is less than 75%. Take following input from the user. Number of classes held. Number of classes attended. And print, percentage of class attended. Is the student allowed to sit in the exam or not. Test cases: Input: Class held = 50 Class attended = 37 Output: Not Allowed	
Class held: 70 Class attended: 60 Output:	NFC49
Write a program to check whether a number is the 4 digit number and it should be divisible by 7 and its quotient after dividing with 7 should be even.	INFC49
Testcase 1: Input: 9999 Output: No (because 9999 is 4 digit number but it is not divisible by 7.)	
Take an integer N as input and check whether it ends with 3 or 7. If it ends with 3, print "ends with 3", if it ends with 7, print "ends with 7", otherwise print the number itself. Input: Output: N=12 12 N=137 ends with 7 N=9343 ends with 3	
	NFC50
Write a program to take two numbers as input and print their difference if the first number is greater than the second number, otherwise print their sum. Input: Output: a=9,b=7 2 a=5,b=11 15	
	NFC51
Write a program to obtain a number N and increment its value by 1 if the number is divisible by 4, otherwise, decrement its value by 1. Test cases: Input: 16 Output: 17 Input: 27 Output: 26	
	NFC52
Write a program to obtain 2 numbers (A and B) and an arithmetic operator (C) and then design a calculator depending upon the operator entered by the user. Test cases: Input:	NFC53
	A student will not be allowed to sit in an exam if his/her attendance is less than 75%. Take following input from the user. Number of classes held. Number of classes attended. And print, percentage of class attended. Is the student allowed to sit in the exam or not. Test cases: Input: Class held = 50 Class attended = 37 Output: Not Allowed Write a program to check whether a number is the 4 digit number and it should be divisible by 7 and its quotient after dividing with 7 should be even. Test case 1: Input: 19999 Output: No (because 9999 is 4 digit number but it is not divisible by 7) Take an integer N as input and check whether it ends with 3 or 7. If it ends with 3, print "ends with 3", if it ends with 7, print "ends with 7, otherwise print the number itself. Input: 01put: N=12 12 N=137 ends with 7 N=9343 ends with 3 Write a program to take two numbers as input and print their difference if the first number is greater than the second number, otherwise print their sum. Input: 01put: 1=9,5=7.2 a=5,b=11 15 Write a program to obtain a number N and increment its value by 1 if the number is divisible by 4, otherwise, decrement its value by 1. Test cases: Input: 10put: 1=10put: 12put: 1=10put: 12put: 1=10put: 12put: 12put: 1=10put: 12put: 12put: 1=10put: 12put: 12put: 14put: 14pu

	Write a program to input the length (L) and breadth (B) of a rectangle and output whether its area is greater or perimeter is	
	greater or both are equal. Test cases:	
	Input:	
	Length: 10 Breadth: 2	
	Dieduii. Z	
	Output: Perimeter is greater.	
FC060		NFC54
	Write a program to input the month number and print the number of days in that month. Take an input from the user between 1 and 12 inclusive. (Output 28 days for the month of February)	
	Test cases:	
	Input: 4 Output: 30	
	Input: 2	
	Output: 28	
FC062		NFC55
FCU02	Write a program to input a number and output whether a number is negative, positive or zero.	INFC55
	Test cases:	
	Input: 6	
	Output: Positive	
	Input: 0	
	Output: Zero	
FC063		NFC56
	Input any city from the user and display the monument of that city.	
	City Monument Delhi Red Fort	
	Agra Taj Mahal	
	Jaipur Jal Mahal	
	For any other city as an input, print "No monument in the database for this city.".	
	Test cases:	
	Input: Delhi Output: Red Fort	
	Input: Mumbai	
	Output: No monument in the database for this city.	
FC064		NFC57
FC065	Write a program to input marks of five subjects Physics, Chemistry, Biology, Mathematics and Computer out of 100. Calculate percentage and grade according to following:	NFC58
	Percentage >= 90% : Grade A	
T. Control of the Con	Percentage >= 80% : Grade B	
	Percentage >= 70%: Grade C	
	Percentage >= 70% : Grade C Percentage >= 60% : Grade D Percentage >= 40% : Grade E	
	Percentage >= 70% : Grade C Percentage >= 60% : Grade D	
	Percentage >= 70% : Grade C Percentage >= 60% : Grade D Percentage >= 40% : Grade E	
	Percentage >= 70% : Grade C Percentage >= 60% : Grade D Percentage >= 40% : Grade E Percentage < 40% : Grade F Test cases: Input:	
	Percentage >= 70% : Grade C Percentage >= 60% : Grade D Percentage >= 40% : Grade E Percentage < 40% : Grade F Test cases: Input: 78	
	Percentage >= 70% : Grade C Percentage >= 60% : Grade D Percentage >= 40% : Grade E Percentage < 40% : Grade F Test cases: Input: 78 54 85	
	Percentage >= 70% : Grade C Percentage >= 60% : Grade D Percentage >= 40% : Grade E Percentage < 40% : Grade F Test cases: Input: 78 54	

	Output: Grade C	
	Explanation:	
	Percentage of marks obtained by this user is 76 %. Hence, the grade is C. Write a program to input basic salary of an employee and calculate its Gross salary according to following: (Gross salary is the sum of basic salary, HRA, and DRA) Basic Salary <= 10000 : HRA = 20%, DA = 80% Basic Salary <= 20000 : HRA = 25%, DA = 90% Basic Salary > 20000 : HRA = 30%, DA = 95%	
	Test cases: Input: 17000	
	Output: 36550	
FC066	Explanation: Since the basic salary lies in the bracket 10000 <= basic salary <= 20000, the HRA is equal to 25% of the salary = 4250, and the DRA is equal to 90% of the basic salary = 15300. Hence the total salary is 17000+15300+4250 = 36550	NFC59
1 0000	Roller Coasters require children to have a minimum height of 5 feet. Any child below this height is generally not allowed on them. Write a program to accept a child's height in inches and display if he or she will be allowed to ride or not.	- III 669
	Test cases: Input: 65 Output: Yes	
	Explanation: 65 inches in feet is equal to 5 ft 5 inches. Since the height is greater than 5 ft, the user is allowed on the roller coater	
FC068		NFC60
1 0000	Write a program to accept the cost price of a bike and display the road tax to be paid according to the following criteria: Cost price (in Rs) Tax > 100000 15 % > 50000 and <= 100000 10% <= 50000 5%	141 000
	Test cases: Input: 16000 Output:2400	
	Explanation: Since the price of the bike fallws in the bracket > 10000, the road tax is equal to 15% of the price = 2400	
FC069		NFC61
	Write a program to find a maximum between three numbers. (Use minimum number of comparisons without using logical operators - and, or)	
	Test cases: Input: 5 16	
	Output: 16	
FC070	Input a data in with day month and year in different lines and systems if it is well-different in the P. C.	NFC62
FC071	Input a date in with day, month and year in different lines and output if it is valid. If its valid, print valid, else print invalid. (Hint: The year in the date must be greater than zero, the months must lie between 1 and 12, and the days must lie between 1 and 31, depending on the month number. If the year is a leap year February will have 29 days as opposed to 28 in non leap years)	NFC73
	Test cases: Input: 26 4 2023	
	Output: Valid	
	Input: 29	

	2	
	2023 Output:	
	Invalid	
	Write a program to input electricity unit charges and calculate the total electricity bill according to the given condition: For the first 50 units Rs. 0.50/unit	
	For next 100 units Rs. 0.75/unit	
	For the next 100 units Rs. 1.20/unit For unit above 250 Rs. 1.50/unit	
	An additional surcharge of 20% is added to the bill	
	Test cases:	
	Input number of units: 200	
	Output: 192	
	Explanation: Cost for first 50 units = 25 , cost for next 100 units = 75 , cost for remaining 50 units = $50 \times 1.2 = 60$. Total cost = $25+75+60 = 160$.	
FC072	Additional surcharge of 20% = 32. Hence total cost of 200 units = 160 + 32 = 192	NFC63
10072	Write a program to calculate the electricity bill (Accept the number of units from the user) according to the following criteria: Unit	INI COS
	Price	
	First 100 units no charge Next 100 units Rs 5 per unit	
	After 200 units Rs 10 per unit	
	Test cases:	
	Input: 350 Output: 2000	
	Explanation:	
	Cost of first 100 uints = 0	
	Cost of next 100 units = 5*100 = 500 Cost of remaining 150 units = 10*150 = 1500	
FC073	Hence, total cost = 0 + 500 + 1500 = 2000	NFC64
	Accept the age, gender ('M', 'F'), and the number of days and display the wages accordingly If the age does not fall in any range then display the following message: "Enter appropriate age"	
	Age: Gender Wage/day	
	>=18 and <30 M 700 F 750	
	>=30 and <=40 M 800 F 850	
	Test cases: Input: 25	
	F 20	
	Output: 15000	
	Explanation: Age 25 lies in the bracket 18 <= 25< 30. And the gender is female, hence the rate of work of Rs. 750 / day. So total wage is 750 *	
FC074	20 = Rs. 15000	NFC65
	Accept the number of days from the user and calculate the charge for the library according to the following: First five days: Rs 2/day.	
	Next 5 days: Rs 3/day.	
	Next 5 days: Rs 4/day After 15 days: Rs 5/day	
	Test cases:	
	Input: 15	
	Output: 45	
	Explanation: Charge for the first 2 days = 5*2 = 10	
	Charge for the next 5 days = 5*3 = 15	
FC075	Charge for the last 5 days = 5*4 = 20 Total charge = 10+15+20 = 45	NFC66
FC077	Input four sides of a quadrilateral ABCD in the order AB, BC, CD, DA and an internal angle I and write a program to categorize the	NFC67
	shape of a quadrilateral as either a square, rhombus, rectangle, parallelogram, or irregular quadrilateral.	
	Test cases: Input: 10	
	8	
	10 8	
	72	
	Output: Parallelogram	

	Input: 5 5	
	5	
	5	
	90	
	Output: Square	
	Input: 10	
	10	
	8	
	8	
	90	
	Output: Irregular quadrilateral	
	Write a program to input two numbers and sum them. However, if the sum is between 15 to 20 it will return 20.	
	Test cases:	
	Input: 15	
	23	
	Output:	
	38	
	Input:	
	11	
	7 Output:	
	Output: 20	
FC078		NFC68
	A certain steel is graded according to the following conditions:	
	(i) Rockwell-hardness > 50	
	(ii) Carbon content > 0.7	
	(iii) Tensile strength > 5600 kg/cm2	
	The steel is graded as follows:	
	a. Grade 10, if all the conditions are satisfied b. Grade 9, if conditions (i) and (ii) are satisfied	
	c. Grade 8, if conditions (ii) and (iii) are satisfied	
	d. Grade 7, if conditions (i) and (iii) are satisfied	
	e. Grade 0, otherwise	
	Take three inputs from the user in the order of Rockwell-hardness, Carbon content, Tensile strength and output the grade of the	
	steel.	
	Test cases:	
	Input: 54	
	0.2	
	8000	
	Output:	
FC079	8	NFC69
	Input an year from the user and output whether a given year is a leap year.	
	(Hint. A year is said to be a leap year if it is either divisible by 4 but not by 100 or divisible by 400.)	
	Test cases:	
	Input: 1900	
	Output:	
	No No	
	Input:	
	2000	
	Output:	
	Yes	
	Input:	
	2024	
	Output:	
	Yes	
	Input:	
	2003	
FC080	Output: No	NFC70
FC081	In the above question take the first condition as divisibility of year by 100 and write a program. Do the dry run for the same inputs.	NFC71
	iniputo.	

	In the above question take the first condition as divisibility of year by 400 and write a program. Do the dry run for the same	
	inputs.	
FC082		NFC72
	Input three integers representing the angles of a triangle in degrees to determine whether they form a valid set of angles of a triangle. If it is not a valid set, then generate a message and terminate the process. If it is a valid set, then the process	
	determines whether it is equiangular (all three angles are the same). It also determines if the triangle is right-angled (has one	
	angle with 90 degrees), obtuse-angled (one angle above 90), or acute-angled (all three angles are below 90 degrees). Finally, it shows the conclusion about the triangle.	
	Shows the constant about the thange.	
	Test cases: Input:	
	50	
	90 40	
	Output:	
	Valid triangle Scalene triangle	
	Right triangle	
	Input:	
	80	
	20 80	
	Output:	
	Valid triangle Isosceles triangle	
FC083	Acute triangle	NFC74
	Input the lengths of the three sides of a triangle to validate whether they can be the sides of a triangle and then classify the triangle as equilateral (all three sides are equal), scalene (all three sides are different), or isosceles (exactly two sides are equal),	
	and then to see whether it is a right-angled triangle (the sum of the squares of two sides is equal to the square of the third side.)	
	(Hint: a triangle is possible to construct if sum of any two sides of the triangle is greater than the third side).	
	Test cases:	
	Input: 6	
	9	
	4 Output:	
	Valid triangle	
	Scalene triangle Not a right triangle	
	Input:	
	5	
	12 13	
	Output:	
	Valid triangle Scalene triangle	
FC084	Right triangle	NFC75
FC085	Write a program to check if the given number is divisible by 5, 11, both or none. If it is divisible by 5 then print 5	NFC76
	If it is divisible by 11 then print 11	
	If it is divisible by 5 and 11 then print "Both"	

	If it is not divisible by 5 and 11 then print "None"	
	Test cases:	
	Input:	
	55	
	Output: Both	
	Input:	
	15	
	Output: 5	
	Input 3 numbers from the user and output the second max of 3 numbers.	
	Test cases: Input:	
	5	
	4	
	6 Output:	
	5	
FC086		NFC77
FC000	Input 4 numbers from the user and output the second max of 4 numbers.	INFC//
	input 4 numbers from the user and output the second max of 4 numbers.	
	Test cases:	
	Input: 5	
	$\frac{3}{4}$	
	6	
	7 Output:	
	Output: 6	
FC087		NFC78
	Input 4 numbers from the user and output the third max of 4 numbers.	
	Test cases:	
	Input:	
	5 4	
	6	
	7	
	Output: 5	
	5	
FC088		NFC79
	Input 5 numbers and output the maximum occurring number out of the given 5 numbers.	
	Test cases:	
	Input:	
	3	
	4 3	
	3 5	
	1	
FC089	Output: 3	NFC80
1 6009	Input a positive number n and write a program to find the sum of the first n natural numbers.	INI COU
	input a positive number it and write a program to find the sum of the first it flatulal fluffibers.	
	Test cases:	
	Input: 6	
	Output:	
FC090	21	NFC81
	Write a program to show how consecutive even numbers starting from 2 are summed up until the sum just exceeds 1000 and	
	then print the sum and the number of even numbers added.	
FC092		NFC96

FC093	Write a program to print the numbers below 100 that are divisible by 7.	NFC84
FC095	Write a program to show how to find all even natural numbers that are divisible by 7 in a given range. (Input lower and upper limit of the range from the user)	NFC86
E0006	Write a program to find the sum of the squares of the first 9 natural numbers that are divisible by 3.	NECO7
FC096	Write a program to calculate the sum of the following series where n is input. 1 + 1/2 + 1/3 + 1/4 + 1/5 +1/n	NFC87
FC097		NFC104
	Write a program to show how to find the sum of all the numbers that are divisible by P but not divisible by Q within a given range. (Input lower limit, upper limit, P, and Q from the user)	
FC098		NFC88
	Write a program to print the even numbers below 100.	
	Write a program to show how to obtain the HCF and LCM of two numbers. (input two numbers from the user) Test cases: Input: 12 15 Output: 3 60	
FC099		NFC101
	Write a program to show how the sum of the digits of a given number can be obtained. (Input the number from the user) Test cases: Input: 456 Output: 15 Explanation: 4+5+6 = 15	
FC100		NFC95
	You need to write a program that takes a whole number from the user and shows the number in reverse order. For example, if the user enters the number 123, the program should display 321 as the result.	
FC101 FC102	Write a program to show how the factors of a given number can be obtained. A factor is a number that can divide another number evenly without leaving a remainder. test case1: Input: Enter a number: 12 Output: Factors of 12: 1, 2, 3, 4, 6, 12 test case2:	NFC97 NFC98

	Input: Enter a number: 25	
	Output:	
	Factors of 25: 1, 5, 25 Can you write a program that cake the year to enter a number and then determines if that number is a special type of number.	
	Can you write a program that asks the user to enter a number and then determines if that number is a special type of number called a 'perfect number'? A perfect number is a number where the sum of all its factors (excluding the number itself) is equal to the number itself. Test Case 1: input: Enter a number: 6 output: 6 is a perfect number.	
	Explanation: The program takes the number 6 as input. It then calculates the factors of 6, which are 1, 2, and 3. The sum of these factors (1 + 2 + 3) is equal to 6, so 6 is a perfect number.	
	test case : 2 Input: Enter a number: 12	
	Output: 12 is not a perfect number.	
FC103	Explanation: The program takes the number 12 as input. It calculates the factors of 12, which are 1, 2, 3, 4, and 6. The sum of these factors (1 + 2 + 3 + 4 + 6) is equal to 16, which is not equal to 12. Therefore, 12 is not a perfect number.	NFC99
FC104	Can you tell if a number is a special type of number called a 'prime number'? A prime number is a number that is only divisible by 1 and itself, and it doesn't have any other factors. for example, the number 7 is a prime number because it can only be divided by 1 and 7 without leaving a remainder. However, the number 12 is not a prime number because it has other factors, such as 2, 3, 4, and 6, in addition to 1 and 12. Can you figure out if a given number is prime or not?	NFC125
	Write a program for obtaining the sum of a given number of terms (n) for a given value of X in the following mathematical series: (Input X and N from the user) i) X+(X^2)/2+(X^3)/3+(X^4)/4upto n terms ii) X-(X^3)/3+(X^5)/5-(X^7)/7+(X^9)/9 upto n terms iii) X-(X^3)/3!+(X^5)/5!-(X^7)/7!+ upto n terms	
FC105	-> if user entered X = 2 and N= 6 then first series will become -> 2+(2^2)/2+(2^3)/3+(2^4)/4+(2^5)/5+(2^6)/6 then output will be 27.73 -> for same X and N, the second series will become -> 2-(2^3)/3+(2^5)/5-(2^7)/7+(2^9)/9-(2^11)/11 then output will be -141.84> for same X and N, the third series will become -> 2-(2^3)/3!+(2^5)/5!-(2^7)/7!+(2^9)/9!-(2^11)/11! then output will be 0.9092	NFC106
	Write a program to find out the sum of first N terms of the following series 5+55+555+555+ up to N terms. if N=6 then this series becomes 5+55+555+5555+55555+555555 = 617,280(output) if N=3 then this series becomes 5+55+555 =615(output)	
FC106		NFC105
	Write a program to show how to find all the perfect numbers under 10,000. (already you know what is perfect number)	
FC108		NFC100
	Write a program to find the sum of following series: 1 + 2 + 6 + 24 + 120 N terms if N= 6 then series becomes 1+2+6+24+120+720, then output will be some of this series -> 873	
FC109		NFC108
	Can you find all the three-digit numbers that have a special property? The property is that the sum of the factorials of its individual digits is equal to the number itself. For example, the number 145 has this property because 1! + 4! + 5! = 1 + 24 + 120 = 145.	
	Can you write a program to determine all three-digit numbers that satisfy this property?	
FC110		NFC109
FC111	Create a pyramid of numbers consisting of a given number of lines. For example, if the given number is 5, then we should see the following: 1 121	NFC121
	12321	

	1234321	
	1 2 3 4 5 4 3 2 1 Write a program to print the following patterns with flexible dimensions as supplied by the user:	
	Note: Use nested loops and not string multiplication to print these patterns.	
	N = 5 *	
	* * * * *	

E0110	* * * *	NE0110
FC112	Write a program to print the following patterns with flexible dimensions as supplied by the user:	NFC113
	Note: Use nested loops and not string multiplication to print these patterns.	
	N = 5 *****	
	* * * * * * * * * * * * * * * * * * *	
	**	
	*	
FC112		NFC114
	Write a program to print the following patterns with flexible dimensions as supplied by the user:	
	Note: Use nested loops and not string multiplication to print these patterns. N = 4	
	* * *	

	* * * * * *	
FC112		NFC115
	Write a program to print the following patterns with flexible dimensions as supplied by the user: Note: Use nested loops and not string multiplication to print these patterns.	
	N = 4	
	* ***	
	* * * * *	
	***** ****	
E0112	***	NEOGG
FC112	*	NFC116

Can you find the Highest Common Factor (HCF) of a given set of numbers? The HCF is the largest number that divides all the given numbers without leaving a remainder. To do this, we'll ask the user to enter a value 'n' which represents the number of input numbers. Then, the user will input 'n' numbers. We'll calculate the HCF of these numbers. Can you write a program to determine the HCF of 'n' given numbers? Test Case1: Input: Enter the value of n: 4 Enter number 1: 12 Enter number 2: 18 Enter number 3: 24 Enter number 4: 30 Output: The HCF of the given numbers is: 6 Explanation: In this test case, the user inputs four numbers: 12, 18, 24, and 30. The program then calculates the HCF of these numbers, which is found to be 6. This means that 6 is the largest number that can divide all the given numbers (12, 18, 24, and 30) without leaving a remainder. Test Case2: Input: Enter the value of n: 3 Enter number 1: 16 Enter number 2: 28 Enter number 3: 40 Output: The HCF of the given numbers is: 4 In this test case, the user inputs three numbers: 16, 28, and 40. The program then calculates the HCF of these numbers, which is found to be 4. This means that 4 is the largest number that can divide all the given numbers (16, 28, and 40) without leaving a FC113 NFC102 remainder. Find the maximum and minimum values among a given set of numbers? The maximum value is the largest number, and the minimum value is the smallest number in the set. To do this, we'll ask the user to enter a value 'n', which represents the number of input numbers. Then, the user will input 'n' numbers. We'll compare these numbers and determine the maximum and minimum values. Can you write a program to find the maximum and minimum values among 'n' given numbers? Test Case: Input: Enter the value of n: 5 Enter number 1: 10 Enter number 2: 5 Enter number 3: 8 Enter number 4: 3 Enter number 5: 12 Output: Maximum value: 12 Minimum value: 3 Explanation: In this test case, the user inputs five numbers: 10, 5, 8, 3, and 12. The program then calculates the maximum and minimum values among these numbers. The maximum value is found to be 12, which is the largest number in the set. The minimum value FC114 is found to be 3, which is the smallest number in the set. NFC122 Write a program to find the second max of given N numbers. if N=4 and entered 4 numbers are 3,2,1,4 then output should be 3 as this is the second maximum number among those 4 numbers. FC115 NFC123 Write a program to find the third max of given N numbers. FC116 NFC124 if N=5 and entered 5 numbers are 2,1,4,100,64 then output should be 4 as this is the third maximum number among those 5 numbers.

	Write a program to input a number, N, and print first N prime numbers.	
	Test cases:	
	Input: 4	
	Output:	
	2 3	
	5 7	
	Explanation:	
C117	The first 4 prime numbers are 2,3,5,7	NFC126
	Write a program to find the sum of all prime numbers between 1 to n. (n input from the user)	
	Test cases:	
	Input: 20	
	Output: 77	
	Explanation:	
C118	All prime numbers between 1 to 20 are 2,3,5,7,11,13,17,19. Hence their sum is 77	NFC127
	Write a program to print only the prime factors of a given number 'N'? Prime factors are the prime numbers that divide a given number without leaving a remainder.	
	Test Case: Input:	
	Enter a number: 84	
	Output: Prime factors of 84: 2, 3, 7	
	Explanation:	
C119	In this test case, the number given is 84. The program calculates and displays the prime factors of 84, which are 2, 3, and 7. These prime numbers can divide 84 without leaving a remainder.	NFC128
	Write a program that prints the first 'N' Fibonacci numbers? Fibonacci numbers are a series of numbers where each number is the sum of the two preceding numbers. We start with the numbers 0 and 1, and then calculate and print each subsequent Fibonacci number by adding the previous two numbers. For example, the third Fibonacci number is obtained by adding the first two numbers: $0 + 1 = 1$. the fourth fibonacci number can be obtained by adding the previous two numbers if N=8 then series will be $(0,1,1,2,3,5,8,13)$	
C120	write a program to print the first 'N' Fibonacci numbers?	NFC129
	Given two integer numbers M and N, write a program to print the integers from M to N. if M=5 and N=12 then output should be 5,6,7,8,9,10,11,12	
C124		NFC82
C124	Write a program to print a solid square pattern of N rows and N columns using the asterisk character (*), where integer N is given as an input. if N = 5	

C125	**** ****	NFC110
	Given an integer N, write a program which reads N inputs and prints them. if user entered N = 4 then we need to take input for 4 times from the user and we should print the 4 inputs entered by user. if user entered 4 numbers are 32,5,5,78 the output should be 32,5,5,78	
C129		NFC92
	Given an integer N, write a program which reads N inputs and prints the sum of the given input integers. if user entered N = 4 then we need to take input for 4 times from the user and we should print the sum of 4 inputs entered by user. if user entered 4 numbers are 32,5,5,78 the output should be 120 as it is sum of 32+5+5+78	
C130		NFC93

	Given an integer, N. Write a program to print integers from N to 1.	
	if N = 8 then output should be 8,7,6,5,4,3,2,1	
FC131		NFC83
FUIST	Write a program which reads N inputs and prints the product of the given input integers.	INFCOS
	if N = 4 and user entered 4 numbers are 4,8,2,3 then output should be 192 as it is product of (4*8*2*3)	
FC133		NFC94
	Write a program to print the following patterns with flexible dimensions as supplied by the user: Note: Use nested loops and not string multiplication to print these patterns.	
	N = 5	
	*	

	**** ****	
	**** ***	

	*	
E0104		NEO117
FC134	Write a program to print the factorial of N.	NFC117
	Factorial is the product of all positive integers less than or equal to N.	
	if N = 5 output should be 120 as the product of $(5*4*3*2*1)$ is 120.	
	if N = 3	
	output should be 6 as the product of (3*2*1) is 6.	
FC135		NFC85
	Write a program to print the sum of the Kth power of the first N natural numbers.	
	if N = 4 and k=2 then the output should be 30 , because $(1^2+2^2+3^2+4^2=30)$	
	if N = 5 and k=3 then the output should be 225, because (1^3+2^3+3^3+4^3+5^3 = 225)	
FC136		NFC89
FC137	Given two integers M and N, write a program to print a solid rectangle pattern of M rows and N columns using the asterisk character (*).	NFC111
	if M = 3 and N = 4 then pattern should be	

	if M = 3 and N=2	
	**	
	**	
	**	
	Given an integer number (N) as input. Write a program to print the right-angled triangular pattern of N lines using an asterisk(*)	
	character. if N = 6	
	**	
	* * *	

FC138		NFC112
	Given two integers M, N. Write a program to print the product of numbers in the range M and N (inclusive of M and N).	
	if M = 2 and N = 7	
	then output should be 5040 as the product of numbers (2*3*4*5*6*7=5040)	
	if M = 5 and N = 9	
	then output should be 15120 as the product of numbers (5*6*7*8*9 = 15120)	
FC151		NFC90
	Write a program to print the multiplication table of the given number (N) up to ten multiples in the format "N x i = M".	
	if N = 5 then we should have exact output format	
	5 x 1 = 5	
	5 x 2 = 10 5 x 3 = 15	
	$5 \times 3 = 15$ $5 \times 4 = 20$	
	$5 \times 5 = 25$	
	5 x 6 = 30	
	$5 \times 7 = 35$	
	$5 \times 8 = 40$	
	$5 \times 9 = 45$	
	5 x 10 = 50	
FC152		NFC107
	Given an integer number	
	N as input. Write a program to print the hollow square pattern of N lines as shown below.	
	Note: There is a space after each asterisk (*) character.	
	if N = 5	

	**	
	**	
F0155	**	NEO110
FC155	****	NFC118
FC155	Write a program to print the following patterns with flexible dimensions as supplied by the user:	NFC119
	Note: Use nested loops and not string multiplication to print these patterns.	
	if N = 5	
	* * * * * * * * * * * * * * * * * * *	
	**	
	** **	
	* * * * * * * * * * * * * * * * * * *	

	Write a program that calculates the number of perfect squares in a given range from 'A' to 'B'? The program should take two numbers, 'A' and 'B', where 'A' is the lower bound and 'B' is the upper bound of the range. The program will count the number of perfect squares within this range, including both 'A' and 'B'.	
	A perfect square is a number that can be expressed as the square of an integer. For example, 4, 9, and 16 are perfect squares because they can be expressed as 2^2, 3^2, and 4^2 respectively.	
	so write a program to count the number of perfect squares in the range from 'A' to 'B'? Test Case: Input: A = 10 B = 30	
	Output: Number of perfect squares in the range 10 to 30 : 2	
FC157	Explanation: In this test case, the range given is from 10 to 30. The program calculates the number of perfect squares within this range, including both 10 and 30. The perfect squares in this range are 16 and 25	NFC91
	Write a program to check whether a number is Armstrong or not. (Armstrong number is a number that is equal to the sum of cubes of its digits, for example: $153 = 1^3 + 5^3 + 3^3$.)	
FC177	Make a flowchart to keep asking for a number until you enter a negative number. In the end, print the sum of all entered numbers.	NFC103
	Test cases: Input:	
	17	
	4 -1	
	Output: 25	
FC241	Explanation: The input was taken until a negative number was given as an input. Once the input is a negative number, we sum the numbers entered. Hence the output is 5+17+4+(-1) = 25	NFC132
	Make a flowchart for this pattern. ******** *	
	* * ******	
	*	
FC243	* *******	NFC120
	Write a program to convert binary to decimal. if given binary is 1000 then output should be 8 which is decimal of binary 1000	
FC265		NFC130
	Write a program to convert decimal to binary. If the given decimal is 11, then the output should be 1011 which is the binary for 11	
FC266		NFC131
. 0200	Take an input n and repeatedly find the sum of the digits of a number till you get a single digit. Example: 678 -> 6+7+8 = 21 -> 2+1 = 3	
F0267	Example. 070 7 01710 - 21 7 211 - 0	NE0122
FC267		NFC133

	Find the sum of an arithmetic prograssion using a loop. Input first term a, common difference d, and number of terms n from the user.	
	Test cases:	
	Input:	
	3 4	
	5	
	Output:	
	55	
FC268	Explanation: The given series is 3, 7, 11, 15, 19. Hence the sum of the series is 55	NFC134
	Find the sum of a geometric prograssion using a loop. Input first term a, common ratio r, and number of terms n from the user.	
	Test cases:	
	Input:	
	1 2	
	5	
	Output: 31	
FC269	Explanation: The given series is 1,2, 4, 8, 16. Hence the sum of the series is 31	NFC135
. 5255	Write a program to check if a given integer is jumbled or not. A number is said to be Jumbled if for every digit, its neighbours	5100
	digit differs by max 1.	
	Ex: 6765 -> True 357 -> False	
FC270	557 × 1 disc	NFC136
FG2/0	A pronic number is a number that is the product of two consecutive integers, that is, a number of the form $n (n + 1)$. Take an	NFC130
	input n and check if its pronic or not	
FC271		NFC137
FU2/1	Zeckendorf's theorem states that every positive integer can be written uniquely as a sum of distinct non-neighbouring Fibonacci	NFC137
	numbers. Two Fibonacci numbers are neighbours if they come one after other in Fibonacci Sequence (0, 1, 1, 2, 3, 5,). For	
	example, 3 and 5 are neighbours, but 2 and 5 are not. Given a number, find a representation of number as sum of non- consecutive Fibonacci numbers.	
FC272	consecutive ribonacci numbers.	NFC138
	Euler's Totient function Φ (n) for an input n is the count of numbers in $\{1, 2, 3,, n-1\}$ that are relatively prime to n, i.e., the numbers whose GCD (Greatest Common Divisor) with n is 1. Given an input n, find the totient function of n	
	Example: for n = 5, numbers 1,2,3,4 are relatively prime to 5. So $\Phi(5) = 4$	
FC273	Example: 10.11 0, hambele 1,2,6,1 are rotatively prime to 0. 00 + (0)	NFC139
FUZ/3	An integer number in base 10 which is divisible by the sum of its digits is said to be a Harshad Number. Below are the first few	INFC 139
	Harshad Numbers represented in base 10:	
FC274	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 12, 18, 20 Given a number in base 10, our task is to check if it is a Harshad Number or not.	NFC140
FUZ/4	A number is said to be twisted prime if it is a prime number and reverse of the number is also a prime number. Given a number n,	INFC 140
	check if its twisted prime or not.	
FC275	Ex: 79 and 97 are both prime => 79 is a twisted prime	NFC141
	Floyd's triangle is a triangle with first natural numbers.	
	2 3	
	4 5 6 7 8 9 10	
	11 12 13 14 15	
FC276	Given an input n, print n rows of Floyd's triangle	NFC142
	Write a program to print only odd numbers from the given array using a while loop . L = {23, 45, 32, 25, 46,33, 71, 90}	
	[20, 70, 02, 20, 70,00, 71, 70]	
FC190	Write a magnetic analysis of patricular marks at 111 CO and anisate in	NFC143
	Write a program to create an array of natural numbers till 20 and print it.	
FC198		NFC144
	Write a program to input 5 names from the user and print them.	
FC199		NFC145
1 6 1 2 2		1