

Problem Code	Statement		Topic
FC1	Write a program to take two numbers from the user and print their sum	removed	Basic
FC2	Write a program to take two numbers from the user and print their average	removed	Basic
FC3	Write a program to show how to obtain the daily wage of a worker on the basis of the hours worked during the day.(Daily wage of a worker is determined by hours worked per day and the hourly wage rate. Input the number of hours worked from the user and the hourly wage rate)	removed	Basic
FC4	Write a program to show how to obtain the area of a triangle on the basis of the base and height.(Input the base and height of the triangle from the user)	removed	Basic
FC5	Write a program to show the steps in finding the simple interest on a given amount at a given rate of interest.(Input amount, rate of interest and time from the user)	removed	Basic
FC6	If P amount of money is invested for N years at an annual rate of interest I, the money grows to an amount T, where T is given by $T = P (1 + I/100)^N$. Write a program to show how T is determined.	removed	Basic
FC7	Write a program to show how to swap the values of two variables.	removed	Basic
FC8	Write a program to show how to swap the values of two variables without using a third variable.	removed	Basic
FC9	Write a program to print a Welcome message. Take name as input from the user and on the output window print 'Welcome ____'	removed	Basic
FC10	Write a program to add, subtract, divide and multiply two integers a and b.	removed	Basic
FC11	Write a program to calculate the area and perimeter of a rectangle.(Input length and breadth of the rectangle from the user)	removed	Basic
FC12	Write a program to calculate the area and perimeter of a square.(Input side length of the square from the user)	removed	Basic
FC13	Write a program to calculate the semiperimeter of a triangle. (Input the three side of a triangle from the user)	removed	Basic
FC14	Write a program to calculate the area of a circle. (Input the radius of the circle from the user)	removed	Basic
FC15	Given the circumference of a circle, Write a program to calculate the Diameter. (Input the circumference of the circle from the user)	removed	Basic
FC16	Write a program to calculate the lateral surface area and Total surface area of a cube.(Input the side length of the cube from the user).	removed	Basic
FC17	Write a program to calculate the volume of a cube. (Input the side length of the cube from the user)	removed	Basic
FC18	Write a program to find the lateral surface area and Total surface area of a cuboid. (Input the side lengths of the cuboid from the user)	removed	Basic
FC19	Write a program to calculate the volume of a cuboid. (Input the side lengths of the cuboid from the user)	removed	Basic
FC20	Write a program to display the last digit of a number. (Input the number from the user)	removed	Basic
FC21	Write a program to calculate remainder when a is divided by b.	removed	Basic
FC22	Write a program to calculate the quotient when a is divided by b.	removed	Basic
FC23	Write a program to Calculate the selling price of a product if MRP and discount are given(Input MRP and discount from user).	removed	Basic
FC24	Write a program to calculate the square of a number.	removed	Basic
FC25	Write a program to calculate the cube of a number.	removed	Basic
FC26	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)	removed	Basic
FC27	From the remaining amount in the above question , How many Pens can be bought if one pen costs Rs. 5. Write a program.	removed	Basic
FC28	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)	removed	Basic
FC29	Write a program to calculate the percentage of each subject in the above question.	removed	Basic
FC30	Write a program to determine the acceleration due to gravity (g), where g can be obtained from the following formula: $T = 2\pi/\sqrt{g}$ where T = Time period of a simple pendulum And l = Effective length of the simple pendulum (Input T and l from user)	removed	Basic
FC31	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.	removed	Basic
FC32	Write a program to obtain the Fahrenheit equivalent of a temperature given in Celsius where the relationship between the two scales of temperature is $C/5 = (F-32)/9$	removed	Basic
FC33	Write a program to take two numbers A and B as input from the user and print the number closest to (but less than) A which is completely divisible by B.	removed	If-Else
FC34	Write a program to show how to determine the greater of two given numbers.	removed	If-Else

FC35	Write a program to print the name of days. Write a program to print the name of days. (Input a number from the user in the range 0 to 6 and print Monday for 0, Tuesday for 1 and so on)	removed	If-Else
FC36	Write a program to print the name of months. (Input a number from the user in the range 1 to 12 and print January for 1, February for 2 and so on)	removed	If-Else
FC37	Write a program to take selling price and cost price as input and calculate the profit percentage.(Note :- The value of S.P. should be greater than C.P. else print "invalid").	removed	If-Else
FC38	Write a program to take selling price and cost price as input and calculate the loss percentage.(Note :- The value of S.P. should be less than C.P. else print "invalid").	removed	If-Else
FC39	Write a program to take two sides as input and check whether it is a rectangle or a square.	removed	If-Else
FC40	Write a program to calculate profit or loss. Print the value of profit incurred, loss incurred or no profit, no loss. (Inputs given as SP, CP)	removed	If-Else
FC41	Write a program to check whether a number is the smallest 4 digit number.	removed	If-Else
FC42	Write a program to check whether a number is the largest 3 digit number.	removed	If-Else
FC43	Write a program to check whether a number is divisible by 7 or not.	removed	If-Else
FC44	Write a program to check whether a number is even or odd.	removed	If-Else
FC45	Write a program to check whether the last digit of a number (entered by user) is divisible by 3 or not.	removed	If-Else
FC46	Write a program to check whether a person is eligible for voting or not. Age for voting is 18 years.	removed	If-Else
FC47	Write a program to display "Hello" if a number entered by the user is a multiple of five , otherwise print "Bye".	removed	If-Else
FC48	Write a program to input the marks of two students in 5 subjects and check who is the topper.	removed	If-Else
FC49	Write a program to check whether a number entered is a three digit number or not.	removed	If-Else
FC50	Write a program to check whether a person is a senior citizen or not(Senior citizen Age=60).	removed	If-Else
FC51	Accept the temperature in degrees Celsius of water and check whether it is boiling or not (boiling point of water in 100 degrees C)	removed	If-Else
FC52	Write a program to calculate the sum of two given integers. However, if the sum is between 15 to 20 it will return 20.	removed	If-Else
FC53	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.	removed	If-Else
FC54	A company decided to give a bonus of 5% to an employee if his/her year of service is more than 5 years. Ask users for their salary and year of service and print the net bonus amount.	removed	If-Else
FC55	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.	removed	If-Else
FC56	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.	removed	If-Else
FC57	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.	removed	If-Else
FC58	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.	removed	If-Else
FC59	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.	removed	If-Else
FC60	Write a program to obtain the length (L) and breadth (B) of a rectangle and check whether its area is greater or perimeter is greater or both are equal.	removed	If-Else
FC61	Write a program to check if a given number is one digit or two digit or three digits or more than three digits	removed	If-Else
FC62	Write a program to input the month number and print the number of days in that month.	removed	If-Else
FC63	Write a program to check whether a number is negative, positive or zero.	removed	If-Else
FC64	Accept any city from the user and display the monument of that city. City Monument Delhi Red Fort Agra Taj Mahal Jaipur Jal Mahal	removed	If-Else
FC65	Write a program to input marks of five subjects Physics, Chemistry, Biology, Mathematics and Computer. Calculate percentage and grade according to following: Percentage >= 90% : Grade A Percentage >= 80% : Grade B Percentage >= 70% : Grade C Percentage >= 60% : Grade D Percentage >= 40% : Grade E Percentage < 40% : Grade F	removed	If-Else
FC66	Write a program to input basic salary of an employee and calculate its Gross salary according to following: Basic Salary <= 10000 : HRA = 20%, DA = 80% Basic Salary <= 20000 : HRA = 25%, DA = 90% Basic Salary > 20000 : HRA = 30%, DA = 95%	removed	If-Else

FC67	A teacher has divided her classroom into groups of 5 based on their roll numbers. The last roll number of each group has been elected as the leader of the group who will manage the tasks performed by the group. Write a program for the teacher to enter the roll number of the student and check if he/she is a Group Leader or not?	removed	If-Else															
FC68	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.	removed	If-Else															
FC69	Write a program to accept the cost price of a bike and display the road tax to be paid according to the following criteria : <table><tr><td>Cost price (in Rs)</td><td>Tax</td></tr><tr><td>> 100000</td><td>15 %</td></tr><tr><td>> 50000 and <= 100000</td><td>10%</td></tr><tr><td><= 50000</td><td>5%</td></tr></table>	Cost price (in Rs)	Tax	> 100000	15 %	> 50000 and <= 100000	10%	<= 50000	5%	removed	If-Else							
Cost price (in Rs)	Tax																	
> 100000	15 %																	
> 50000 and <= 100000	10%																	
<= 50000	5%																	
FC70	Write a program to find a maximum between three numbers. (Use minimum number of comparisons)	removed	If-Else															
FC71	Input a date in DD/MM/YYYY format and check if it is valid. (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.)	removed	If-Else															
FC72	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	removed	If-Else															
FC73	Write a program to calculate the electricity bill (Accept the number of units from the user) according to the following criteria: <table><tr><td></td><td>Unit</td><td>Price</td></tr><tr><td>First 100 units</td><td></td><td>no charge</td></tr><tr><td>Next 100 units</td><td></td><td>Rs 5 per unit</td></tr><tr><td>After 200 units</td><td></td><td>Rs 10 per unit</td></tr></table> (For example if input unit is 350 then total bill amount is Rs2000)		Unit	Price	First 100 units		no charge	Next 100 units		Rs 5 per unit	After 200 units		Rs 10 per unit	removed	If-Else			
	Unit	Price																
First 100 units		no charge																
Next 100 units		Rs 5 per unit																
After 200 units		Rs 10 per unit																
FC74	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” <table><tr><td>Age:</td><td>Gender</td><td>Wage/day</td></tr><tr><td>>=18 and <30</td><td>M</td><td>700</td></tr><tr><td></td><td>F</td><td>750</td></tr><tr><td>>=30 and <=40</td><td>M</td><td>800</td></tr><tr><td></td><td>F</td><td>850</td></tr></table>	Age:	Gender	Wage/day	>=18 and <30	M	700		F	750	>=30 and <=40	M	800		F	850	removed	If-Else
Age:	Gender	Wage/day																
>=18 and <30	M	700																
	F	750																
>=30 and <=40	M	800																
	F	850																
FC75	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	removed	If-Else															
FC76	You have denominations of rupee notes in the following form—1, 2, 5, 10, 20, 100, 200, 500, 2000. Take any amount from the user and print the minimum number of notes needed to add up to that number.	removed	Loops															
FC77	Write a program to categorize the shape of a quadrilateral as either a square, rhombus, rectangle, parallelogram, or irregular quadrilateral, having input the lengths of the four sides and one internal angle.	removed	If-Else															
FC78	Write a program to sum of two given integers. However, if the sum is between 15 to 20 it will return 20 .	removed	If-Else															
t	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	removed	If-Else															
FC80	Find 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.)	removed	If-Else															
FC81	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.	removed	If-Else															
FC82	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.	removed	If-Else															

FC83	Accept 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.	removed	If-Else
FC84	Accept 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.)	removed	If-Else
FC85	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 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"	removed	If-Else
FC86	Find the second max of 3 numbers.	removed	If-Else
FC87	Find the second max of 4 numbers.	removed	If-Else
FC88	Find the third max of 4 numbers.	removed	If-Else
FC89	Find the maximum occurring number out of the given 5 numbers.	removed	If-Else
FC90	Write a program to find the sum of the first n natural numbers, where n is any given integer.	removed	Loops
FC91	Write a program to find the sum of the first 15 even natural numbers.	removed	Loops
FC92	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.	removed	Loops
FC93	Write a program to print the numbers below 100 that are divisible by 7.	removed	Loops
FC94	Write a program to show print the product of n natural numbers, where n is an integer given as input	removed	Loops
FC95	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)	removed	Loops
FC96	Write a program to find the sum of the squares of the first 9 natural numbers that are divisible by 3.	removed	Loops
FC97	Write a program to calculate the sum of the following series where n is input. $1 + 1/2 + 1/3 + 1/4 + 1/5 + \dots + 1/n$	removed	Loops
FC98	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)	removed	Loops
FC99	Write a program to show how to obtain the HCF and LCM of two numbers. (input two numbers from the user)	removed	Loops
FC100	Write a program to show how the sum of the digits of a given number can be obtained. (Input the number from the user)	FC100	Loops
FC101	Write a program to show the logic of obtaining the reversed form of a given whole number. (Input the number from the user)	FC101	Loops
FC102	Write a program to show how the factors of a given number can be obtained. (Input the number from the user)	FC102	Loops
FC103	Write a program to show how to determine whether a given number is a perfect number. (Input the number from the user) Note: A number is said to be a perfect number if the sum of its factors (except itself) equals the number.	FC103	Loops
FC104	Write a program to show how you can decide if a given number is prime or not. (Input the number from the user)	FC104	Loops
FC105	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) $X + (X^2)/2 + (X^3)/3 + (X^4)/4 \dots$ upto n terms $X - (X^3)/3 + (X^5)/5 - (X^7)/7 + (X^9)/9 \dots$ upto n terms $X - (X^3)/3! + (X^5)/5! - (X^7)/7! + \dots$ upto n terms	FC105	Loops
FC106	Write a program to find out the sum of first N terms of the following series $5 + 55 + 555 + 5555 + \dots$ up to N terms.	FC106	Loops
FC107	Write a program to print multiplication tables from 1 to 5.	removed	Loops
FC108	Write a program to show how to find all the perfect numbers under 10,000.	FC108	Loops
FC109	Write a program to find the sum of following series: $1 + 2 + 6 + 24 + 120 \dots$ n terms	FC109	Loops
FC110	Some three-digit numbers show the property that the sum of the factorials of the digits equals the numbers, for example, $145 = 1! + 4! + 5!$. Write a program to show how to determine all such numbers.	FC110	Loops
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 1 2 1 1 2 3 2 1 1 2 3 4 3 2 1 1 2 3 4 5 4 3 2 1	FC111	Loops

FC112	<p>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.</p> <p>N = 5</p> <pre> * ** *** **** ***** </pre> <p>N = 4</p> <pre> * *** ***** ***** </pre> <p>N = 5</p> <pre> ***** **** *** ** * </pre> <p>N = 4</p> <pre> * *** ***** ***** ***** * </pre>	FC112	Loops
FC113	Write a program to determine the HCF of n given numbers. Input a value n from the user then input n numbers from the user.	FC113	Loops
FC114	Write a program to determine the maximum and the minimum out of n given numbers.	FC114	Loops
FC115	Write a program to find the second max of given N numbers.	FC115	Loops
FC116	Write a program to find the third max of given N numbers.	FC116	Loops
FC117	Write a program to input a number, N, and print first N prime numbers.	FC117	Loops
FC118	Write a program to find the sum of all prime numbers between 1 to n. (n input from the user)	FC118	Loops
FC119	Write a program to print only the prime factors of a given number N	FC119	Loops
FC120	Write a program to show the logic of printing the first N Fibonacci numbers. Fibonacci numbers are obtained from the relationship $t_i = t_{i-1} + t_{i-2}$, $i = 2$ to n where $t_0 = 0$, $t_1 = 1$.	FC120	Loops
FC121	"Write a program to find a series of five consecutive numbers, the sum of the squares of the first three of which is equal to the sum of the squares of the last two. For example, $(-2)^2 + (-1)^2 + 0^2 = 1^2 + 2^2$ "	removed	Loops
FC122	Some two-digit numbers have the property that the sum of the squares of the numbers equals the sum of the squares of the numbers with reversed digits (for example, $482 + 522 + 632 = 842 + 252 + 362$). Write a program to show how to determine all such two-digit numbers.	removed	Loops
FC123	Write a program to print integers from 1 to the given integer (N).	removed	Loops
FC124	Given two integer numbers M and N, write a program to print the integers from M to N.	FC124	Loops
FC125	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.	FC125	Loops
FC126	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 (*).	removed	Loops
FC127	Given an integer number (N) as input. Write a program to print the right-angled triangular pattern of N lines using an asterisk(*) character.	removed	Loops
FC128	Given an integer number (N) as input. Write a program to print the sum of first N natural numbers.	removed	Loops
FC129	Given an integer N, write a program which reads N inputs and prints them.	FC129	Loops
FC130	Given an integer N, write a program which reads N inputs and prints the sum of the given input integers.	FC130	Loops
FC131	Given an integer, N. Write a program to print integers from N to 1.	FC131	Loops
FC132	Write a program to print a rectangle pattern of, M rows and N columns using the plus character (+). Note: There is a space after each plus + character.	removed	Loops
FC133	N, write a program which reads N inputs and prints the product of the given input integers.	FC133	Loops
FC134	Given an integer number, N as input. Write a program to print the double triangular pattern of N lines using an asterisk(*) character as shown below. Note: There is a space after each asterisk * character.	FC134	Loops
FC135	Write a program to print the factorial of N. Factorial is the product of all positive integers less than or equal to N.	FC135	Loops
FC136	Write a program to print the sum of the Kth power of the first N natural numbers.	FC136	Loops

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 (*).	FC137	Loops
FC138	Given an integer number (N) as input. Write a program to print the right-angled triangular pattern of N lines using an asterisk(*) character.	FC138	Loops
FC139	Given an integer number (N) as input. Write a program to print the sum of first N natural numbers.	removed	Loops
FC140	Given an integer N, write a program which reads N inputs and prints them.	removed	Loops
FC141	Given an integer number (N) as input. Write a program to print the right-angled triangular pattern of N lines using an asterisk(*) character.	removed	Loops
FC142	Given an integer number (N) as input. Write a program to print the sum of first N natural numbers.	removed	Loops
FC143	Given an integer N, write a program which reads N inputs and prints them.	removed	Loops
FC144	Given an integer N, write a program which reads N inputs and prints the sum of the given input integers.	removed	Loops
FC145	Given an integer,N. Write a program to print integers from N to 1.	removed	Loops
FC146	Write a program to print a rectangle pattern of M rows and N columns using the plus character (+). Note: There is a space after each plus + character.	removed	Loops
FC147	N, write a program which reads N inputs and prints the product of the given input integers.	removed	Loops
FC148	Given an integer number N as input. Write a program to print the double triangular pattern of N lines using an asterisk(*) character as shown below. Note: There is a space after each asterisk * character.	removed	Loops
FC149	Write a program to print the factorial of N. Factorial is the product of all positive integers less than or equal to N.	removed	Loops
FC150	Write a program to print the sum of the Kth power of the first N natural numbers.	removed	Loops
FC151	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).	FC151	Loops
FC152	Write a program to print the multiplication table of the given number (N) up to ten multiples in the format "N x i = M".	FC152	Loops
FC153	Write a program to print the greatest among the given N numbers.	removed	Loops
FC154	Write a program to check whether the given number is a perfect number or not. A number is considered as a Perfect number if sum of all factors excluding itself is equal to the number.	removed	Loops
FC155	Write a program to print a hollow square pattern of N rows and N columns using the asterisk character (*), where integer N is given as an input.	FC155	Loops
FC156	Given integer N as input. Write a program to print the sum of series 1 + 11 + 111 + N terms.	removed	Loops
FC157	You are given two numbers, A and B where 1 <= A <= B, Write a program to find the number of perfect squares in the range A to B (including A and B).	FC157	Loops
FC158	Given an integer number N as input. Write a program to print the hollow right-angled triangular pattern of N lines as shown below. Note: There is a space after each asterisk (*) character.	removed	Loops
FC159	Given an integer number N as input. Write a program to print the hollow right-angled triangular pattern of N lines as shown below. Note: There is a space after each asterisk (*) character.	removed	Loops
FC160	Write a program to find the sum S of the series where $S = x - x^3 + x^5 + \dots$ upto N terms.	removed	Loops
FC161	Write a program to print the following using while loop Puja Na. a. First 10 Even numbers b. First 10 Odd numbers c. First 10 Natural numbers d. First 10 Whole numbers	removed	Loops
FC162	Write a program to print first 10 integers and their squares like 1 1 2 4 3 9and so on	removed	Loops
FC163	Write while loop statement to print the following series: 10, 20, 30 ... 300. Write a while loop statement to print the following series	removed	Loops
FC164	Write a while loop statement to print the following series 105, 98, 917	removed	Loops

FC165	Write a program to print the first 10 natural numbers in reverse order.	removed	Loops
FC166	Write a program to print the sum of the first 10 Natural numbers.	removed	Loops
FC167	Write a program to print the sum of the first 10 Even numbers.	removed	Loops
FC168	Write a program to print a table of a number entered from the user.	removed	Loops
FC169	Write a program to display all even numbers that fall between two numbers (exclusive both numbers) entered by the user.	removed	Loops
FC170	Write a program to check whether a number is prime or not.	removed	Loops
FC171	Write a program to find the sum of the digits of a number accepted from the user.	removed	Loops
FC172	Write a program to find the product of the digits of a number accepted from the user.	removed	Loops
FC173	Write a program to reverse the number accepted by the user.	removed	Loops
FC174	Write a program to display the number names of the digits of a number entered by user, if the number is 231 then output should be for example Two Three One	removed	Loops
FC175	Write a program to print the Fibonacci series till n terms (Accept n from user)	removed	Loops
FC176	Write a program to print the factorial of a number accepted by the user.	removed	Loops
FC177	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	Loops
FC178	Write a program to convert binary to decimal.	removed	Loops
FC179	Write a program to check whether a number is palindrome or not.	removed	Loops
FC180	Write a program to sum the sequence: $1 + 1/1! + 1/2! + 1/3! + \dots + 1/n!$	removed	Loops
FC181	Write a program to accept 10 numbers from the user and display its average.	removed	Loops
FC182	Write a program to accept 10 numbers from the user and display the largest & smallest number.	removed	Loops
FC183	Write a program to display sum of odd numbers and even numbers separately that fall between two numbers accepted from the user.(including both numbers) 100 and 500.	removed	Loops
FC184	Write a program to print the following series till n terms. 2 , 22 , 222 , 2222 _____ n terms	removed	Loops
FC185	Write a program to find the sum of the following series(accept values of x and n from the user). $1 + x/1! + x^2/2! + \dots + x^n/n!$ $x + x^2/2 + \dots + x^n/n$	removed	Loops
FC186	Write a program to find the sum of following series $1 + 8 + 27 \dots \dots \dots n$ terms	removed	Loops
FC187	Write a program to find the sum of following series: $1 + 2 + 6 + 24 + 120 \dots \dots n$ terms	removed	Loops
FC188	Write a program to find the sum of following series: $S = 1 + 4 - 9 + 16 - 25 + 36 - \dots \dots n$ terms	removed	Loops
FC189	Write a Program to print all the characters in the string "COMPUTER" using a while loop .	removed	Array
FC190	Write a program to print only odd numbers from the given array using a while loop . $L = \{23, 45, 32, 25, 46, 33, 71, 90\}$	FC190	Array
FC191	Write a program to print all the factors of a number using a while loop .	removed	Loops
FC192	Accept two numbers from the user and display sum of even numbers between them(including both)	removed	Loops
FC193	Write a program to print the factorial of a number.	removed	Loops
FC194	Write a program to find those numbers which are divisible by 7 and multiple of 5, between 1500 and 2700 (both included).`	removed	Loops
FC195	Write a program to sum of two given integers. However, if the sum is between 15 to 20 it will return 20 .	removed	If-Else
FC196	Write a program to add first n terms of the following series using a while loop : $1/1! + 1/2! + 1/3! + \dots + 1/n!$	removed	Loops
FC197	Write a program to print the following series till n terms.1 4 9 16 25 _____ n terms	removed	Loops
FC198	Write a program to create an array of natural numbers till 20 and print it.	FC198	Array
FC199	Write a program to input 5 names from the user and print them.	FC199	Array
FC200	Given an array and its size, print the array in reverse order. (l=[5,4,9,2,1,0])	FC200	Array
FC201	Given an array and its size, print alternate elements from the last.(l=[5,4,9,2,1,0])	removed	Array
FC202	Given an array ([10,12,34,11,4,5,1]). Print the last 'i' elements of any given array. 'i' accepted from the user.	FC202	Array
FC203	Given an array ([1,2,3,4,5,6,7]), take a number from the user and check whether it exists in the array or not.	FC203	Array
FC204	Write a program to create an array of 7 numbers from the user, and print true if the complete array consists of consecutive numbers or not.	FC204	Array

FC205	Make a flowchart to find the sum and average of elements in an array. Take elements as input from the user.	FC205	Array
FC206	Write a program to count the total occurrences of a number in the array. Input the numbers from the user.	FC206	Array
FC207	Make a flowchart to count positive and negative elements in an array. Take elements as input from the user.	FC207	Array
FC208	Make a flowchart to print duplicates in an array. create an array based on the number size given by the user.	FC208	Array
FC209	Create an array that stores first n even numbers. Take n as input from the user.	FC209	Array
FC210	Create an array that stores first n odd numbers. Take n as input from the user.	FC210	Array
FC211	Create an array that stores all the factors of a number n. Take n as input from the user.	FC211	Array
FC212	Create an array that stores all the prime numbers up to n. Take n as input from the user.	FC212	Array
FC213	Create an array that stores perfect numbers up to n. Take n as input from the user.	FC213	Array
FC214	Create an array that stores Armstrong numbers up to n. Take n as input from the user.	FC214	Array
FC215	Create an array that stores the factorial of first n natural numbers. Take n as input from the user.	FC215	Array
FC216	Write a program to create an array of 10 numbers from the user, and count the number of odd and even numbers.	FC216	Array
FC217	Write a program to create an array of 10 numbers from the user, and sum the elements on odd positions as odds and on even positions as evens.	FC217	Array
FC218	Write a program to create an array of n items where n is input from the user. Then input n names from the user and add them to the array.	FC218	Array
FC219	In the flowchart of the above question, print the names input by the user in reverse order.	FC219	Array
FC220	Write a program to show how to rearrange the elements in an array so that they appear in reverse order.	FC220	Array
FC221	Write a program to input n numbers from the user. Store them in an array, Then show how to determine the maximum number.	FC221	Array
FC222	Write a program to show how to store the first 100 natural numbers in an array and then show them in the reverse sequence.	FC222	Array
FC223	In a certain hospital, the weights of newborn babies are recorded each month and then processed at the end of the month to determine the following: 1. mean weight of the babies 2. maximum of the weights 3. minimum the weights. Write a program to show how the weights can be stored as an array first and then processed to determine the desired outputs. Input n from the user where n is number of babies born in a particular month.	FC223	Array
FC224	In a certain city, the maximum and the minimum temperatures on each day are recorded each month to determine the following at the end of the month: 1. mean maximum temperature in the month 2. mean minimum temperature in the month 3. highest maximum temperature 4. lowest minimum temperature 5. hottest day number of the month 6. coldest day number of the month. Draw a flowchart to show how the desired result can be obtained. Input n from the user where n is number of days.	FC224	Array
FC225	Three tests are given, each one worth 50 points. The better score of the first two tests is added to that of the third one to determine the final score and a grade is assigned to each student on the percentage score as per the following rules. <div style="display: flex; justify-content: space-between;"> <div> > = 80 > = 70 but <80 > = 60 but <70 > = 50 but <60 < 50 </div> <div> A B C D F </div> </div> Write a program to show how to accept the input data related to each student and process them to print out a result sheet with the output in descending order of the percentage score.	removed	If-Else
FC226	Draw a flowchart to obtain the sum and the difference between two matrices.	removed	Array
FC227	Convert a given Roman numeral into its decimal equivalent. The following table gives the Roman numerals and their decimal equivalents: <div style="display: flex; justify-content: space-between;"> <div> Roman M D C L X V I </div> <div> Decimal 1000 500 100 50 10 5 1 </div> </div>	FC227	Array
FC228	Convert a decimal number into its Roman equivalent.	FC228	Array
FC229	Take an array from the user as input and reverse it before printing it to the user.	FC229	Array
FC230	Take an array from the user as input and print the mean, median, and mode of the array	FC230	Array
FC231	Take an array of size N and a number K from the user as input, and print the elements of an array in a rotated manner with a gap of K. Eg, let us say the array is - 3, 6, 7, 5, 10. And the value of k = 3. The output should be - 7, 3, 10, 6, 5. If k = 2, the output should be - 6, 5, 3, 10, 7	FC231	Array
FC232	Take an array from the user as input and find duplicate elements in an array.	FC232	Array
FC233	Take two sorted arrays from the user as input and Merge them into a single sorted array	FC233	Array
FC234	Given an unsorted array of size N that contains only non-negative integers, find a contiguous subarray that adds to a given number S. In case of multiple subarrays, return the subarray which comes first on moving from left to right. Let us say the array is - 3, 6, 7, 5, 10. And the value of S = 12. The output should be - 7, 5	FC234	Array

FC235	Take two sorted arrays from the user as input and find the Union and Intersection of the arrays.	FC235	Array
FC236	Take two sorted arrays of size m and n from the user as input and return the median of the two sorted arrays.	FC236	Array
FC237	Take a sorted array from the user as input and find a number using Binary Search the array.	FC237	Array
FC238	Learn these sorting algorithms and apply them to an unsorted array: Selection Sort Insertion Sort Bubble Sort	FC238	Array
FC239	Read here how to construct a magic square of odd numbers and then write a program to input an odd number and print the corresponding magic square. https://www.math.wichita.edu/~richardson/mathematics/magic%20squares/odd-ordermagicsquares.html	FC239	Array
FC240	A company has 100 employees. Each employee has a unique employee ID number from 1 to 100. The company wants to give a bonus to all employees whose ID number is a multiple of 3 or a multiple of 5. How many employees will receive compensation?	removed	Loops
FC241	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.	FC241	Loops
FC242	Make a flowchart to find the sum of a number's first and last digits.	removed	Loops
FC243	Make a flowchart for this pattern. ***** * * ***** * * *****	FC243	Loops
FC244	Print the average and product of all numbers between 1 to 20.	removed	Loops
FC245	Draw a flowchart to print the second max between 3 numbers using a loop.	removed	Loops
FC246	Draw a flowchart to Check Whether a Number can be expressed as a Sum of Two Prime Numbers	removed	Loops
FC247	Print the Harmonic mean in this question. (Harmonic Mean = $n / [(1/a) + (1/b) + (1/c) + (1/d) + \dots]$ A, b, c, d are the values, and n is the number of values present.)	removed	
FC248	Construct a flowchart to print the numbers below 100 that are divisible by 5 and 3.	removed	Loops
FC249	Draw a flowchart to convert number decimal to binary	FC249	Array
FC250	Draw a flowchart for the following series 1==49 2==48 3==47 . . . 48==2 49==1	removed	Loops
FC251	Write a Program to add two matrices and store them in a separate matrix.	FC251	nested Array
FC252	Write a program to subtract two matrices and store them in a separate matrix.	FC252	nested Array
FC253	Write a program to multiply two matrices and store the result in a separate matrix.	FC253	nested Array
FC254	Write a Program to transpose matrix A. Store the result in a separate matrix.	FC254	nested Array
FC255	Write a program that prompts for a phone number of 10 digits and two dashes, with dashes after the area code and the next three numbers. For example, 017-555-1212 is a legal input.	removed	nested Array
FC256	Write a program that rotates the elements of a list so that the elements at the first index moves to the second and element at the second index move to the third and so on. The last element moves at the first index.	FC256	nested Array
FC257	Write a Program to check whether a given matrix is an identity matrix or not.	FC257	nested Array
FC258	Write a Program to find whether the given matrix is diagonal or not.	FC258	nested Array
FC259	Write a Program to find the sum of all diagonal elements of a matrix.	FC259	nested Array
FC260	Write a Program to find the sum of all diagonal elements of a matrix.	removed	nested Array
FC261	Write a Program to find the minimum element in the matrix.	FC261	nested Array
FC262	Write a Program to find the position of an element in a 2d array or Matrix.	FC262	nested Array

FC263	<p>Say you have a list of lists where each value in the inner lists is a one-character string, like this:</p> <pre>grid = [['.', '.', '.', '.', '.', '.'], [',', 'O', 'O', '.', '.', '.'], ['O', 'O', 'O', 'O', '.', '.'], ['O', 'O', 'O', 'O', 'O', '.'], [',', 'O', 'O', 'O', 'O', 'O'], ['O', 'O', 'O', 'O', 'O', '.'], ['O', 'O', 'O', 'O', '.', '.'], [',', 'O', 'O', '.', '.', '.'], [',', '.', '.', '.', '.']]</pre> <p>Think of grid[x][y] as being the character at the x- and y-coordinates of a “picture” drawn with text characters. The (0, 0) origin is in the upper-left corner, the x-coordinates increase going right, and the y-coordinates increase going down. Copy the previous grid value, and write code that uses it to print the image.</p> <pre>..OO.OO.. .OOOOOOO. .OOOOOOO. ..OOOOO.. ...OOO...O....</pre>	FC263	nested Array
FC264	<p>Take the input from the user and print the following pattern according to the input. For example for n = 3 print the following pattern</p> <pre>1 2 3 8 9 4 7 6 5</pre> <p>For n = 4 print the following pattern</p> <pre>1 2 3 4 12 13 14 5 11 16 15 6 10 9 8 7</pre>	FC264	nested Array