Questions

1. WAP to find out whether a number is even or odd.
2. WAP to compare 2 numbers by using if statement.
3. WAP to print smallest number from 3 given numbers.
4. WAP to detect profit or loss by taking CP and SP from the user.
5. WAP to detect whether an entered character is an alphabet, upper or lower case.
6. WAP to convert and print entered lower case character into upper case character and vice versa.

SWITCH CASE

1. WAP to calculate addition, subtraction, multiplication and division of 2 numbers.
2. WAP to find the area and perimeter of square and rectangle.
3. WAP to calculate the area, circumference and diameter of a circle.
4. WAP to detect whether an entered character is vowel or not.
5. WAP to calculate how many no. of hours , minutes and seconds are there in a day
6. WAP to show the user of power function and absolute function in your program.
7. WAP to calculate remainder, exponential and square root of a number entered by the user.
8. An electric power distribution company charges its domestic consumers as follows.

|  |  |
| --- | --- |
| Consumption | Rate of charge |
| 0 - 200 | Rs 0.50 per unit |
| 201-400 | Rs 100+Rs 0.60 per excess unit |
| 401 -600 | Rs 230+Rs 0.80 per excess unit |
| 600 and above | Rs 390+Re 1.00 per excess unit |

The program reads the customer number and power consumed and prints the amount to be paid by the customer.

1. WAP that reads a year and checks whether it is a leap year or not.
2. WAP to check whether a number is positive, negative or 0.
3. WAP which computes roots of a quadratic equation.

+

The root and are –

1. Real and equal if
2. Real and unequal if > 0.
3. Imaginary if <0.

Enter the coefficients from the user.

1. WAP to find out the quadrant of a given angle.
2. WAP which reads 3 integers representing day and it prints the date in full as

2 8 16

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(Switch case)

Switch month – 12 cases.

GOTO statement

1. WAP to calculate the factorial of a number.
2. WAP to generate and print Fibonacci series up to n terms.
3. WAP to calculate sum of the digits of a number.

Eg : 23 = 2+3 = 5.

1. WAP to convert a given binary number into decimal.
2. WAP to generate prime numbers from 1-50.
3. WAP to generate the following pattern.
4. \*

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No. of rows and no. of columns will be entered by the user.

1. WAP to fins the table for 5 numbers.
2. WAP to generate the following pattern

1

23

456

789 10

1. WAP to find Armstrong number form 1-100.
2. WAP to display number of occurrences of a digit in a number. To check whether a digit is a part of the number or not.
3. WAP to generate the following pattern on screen.

1

121

12321

1234321

1. WAP that prints the following output on screen.

A

AB

ABC

ABCD

1. WAP to display following pattern on screen.

1. 1

22

333

4444

1. 1

21

321

321

21

1

1. 12345

1234

123

12

1

1. WAP which reads the list of marks obtained by a class of 30 students in an exam, Count the number of students belonging to each if the following group of marks.

<40

40-59

60-74

75-90

>90

1. WAP to arrange the numbers in ascending order (bubble sort)
2. WAP to find the location of an element in an array using linear search.
3. WAP to arrange the numbers in ascending order (selection sort).
4. WAP to find the location of an element in an array using binary search.
5. WAP that takes an array as input and perform the following function:-
6. Read and display the array
7. Insert new element into the array by taking position as input
8. Insert a new element into an array which is already sorted and check the position of an element in an array
9. Delete an element from an array by specifying the position or the lement itself.
10. Given two matrices A and B of same size. Calculate the sum of two matrices and print the result in matrix form.
11. WAP to print the upper triangle and lower triangle in an array.
12. WAP that reads two matrices and print the result in matrix form.
13. WAP to calculate the product of two matrices (no. of rows and no. of columns to be entered by the user).
14. WAP using for loop to print the following output:-

c

cp

cpr

cpro

cprog

cprogr

cprogra

cprogram

cprogramm

cprogrammi

cprogrammin

cprogramming

1. WAP to check whether a string is palindrome or not.
2. WAP that reads a string and counts the no. of vowels ,words and spaces in the entered string.
3. WAP that can sort a list of names in alphabetical order.(10 names to be entered by the user)
4. WAP using functions that computes

=1+ + +......

1. WAP that computes the factorial of a number using recursion.
2. WAP using functions to find the sum of following series by considering only first five terms.

+++.......

1. WAP that reads a list of n no. of integer values in an array list. It sends the array to a function mult that multiplies 10 to every element of an array and display the modified list
2. WAP that computes with the help of recursive function.
3. WAP using functions that calculates GCD and LCM.
4. WAP using pointers to swap the address of 2 variables.
5. WAP to exchange the contents of variables with pointers.
6. WAP using pointers to compute the sum of all elements stored in an array.
7. WAP using pointers to find the length of a character string.
8. WAP to find out the grade of students. Define a structure student containing name, age, roll no and total marks. Using this structure, enter the record of one student and display the result on screen.
9. WAP to show the copying and comparison of structure variables.
10. The attendance record of each student in a school is computed every week. WAP using enum data that reads the attendance of each day and prints the weekly attendance.
11. WAP that dynamically allocates an array of integers. A list of integers is read from the keyboard and stored in the array. The program finds the smallest integer in the list and prints its location in the list.
12. WAP that dynamically allocates a structure student containing name, age and roll no. It allocates the space for 10 students and reads the various members of the structure and prints the result.
13. WAP to store a character string in block of memory space created by malloc and then modify the same storage space to store a larger string.
14. (files)WAP that takes a list of numbers from the user. The number -99 marks the end of the list. Read the list of numbers using fscanf and print the largest number from the list.