

CS1100 Practice Questions

K E Srinivasa Desikan

CS15S015

Teaching Assistant, CS1100 Jan-May-17

Amateur

1. Write a program to get two numbers as input and output their
 - Sum
 - Difference
 - Product
 - Quotient(If cannot do, then should print Divide by Zero error)
2. Write a Program to get three numbers as input and output their Maximum and Minimum among them.
3. Write a Program to get four numbers as input and output the numbers which are neither maximum nor minimum among them.
4. Write a Program to get a name as input and print the name as a whole (not using loops).
5. Write a program to get 1st 100 numbers as input and print all of them in ascending order.
6. Write a program to get 1st 50 numbers as input using
 - While
 - Do While
 - For
7. Write a Program to get first 10 numbers as input and print their names in English (Ex: 1-One, 2-Two...) using 'Case' statements and should print error if not in 1st 10 (Hint: Use default).
8. Write a Program to do addition of two numbers using functions.
9. Write a Program to search for a number in array using Linear search.

Semi Professional

1. Write a Program to convert a number from Binary to Decimal.
2. Write a Program to convert a number from Decimal to Binary.
3. Write a Program to convert a number From Ternary (Base 3) to Decimal.
4. Write a Program to convert a number from Decimal to Ternary using arrays and recursion separately.
5. Write a Program to Get first 100 numbers as input and print them in reverse order.
6. Write a Program to search for a number in array using Binary search.
7. Write a Program to find the maximum and minimum of an array using pointers and not using pointers.
8. Write a program to swap two numbers using Call by reference and return the result.
9. Write a Program to find the factorial of a number using functions by

- Iteration
 - Recursion
10. Write a Program to find maximum and minimum of an array using the sorting.
 11. Write a Program to find second maximum and third minimum of an array using sorting.
 12. Write a Program to take a file as input and output its Contents.
 13. Write a Program to take 10 students' details (Roll number, name, marks of 5 subjects) and then print the details of all students. (Use 'struct')

Veteran

1. Write a Program to find second maximum and third minimum of an array using Partitions.
2. Write a Program to take any 100 numbers as input and print every 3rd number in the array.
3. Write a Program to take any 100 numbers as input and print the sum of last 25 numbers.
4. Write a Program to take any 100 numbers as input and print the sum of even indexed numbers.
5. Write a Program to take 10 students' details (Roll number, name, marks of 5 subjects) and then print the details of students who got the maximum average of marks and minimum average of marks. (Use 'struct')
6. Write a Program to take a file as input and output the contents of the file from 5th line to 10th line. (Hint use count of '\n' to count the number of new lines)
7. Write a Program to take a file as input and output the contents of the file every second line i.e print alternative lines in the file.