Yashoda Shikshan Prasarak Mandal's

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Faculty of Engineering
Department of Basic Sciences & Humanities

C Pragram Practice Questions

Subject: Programming for Problem Solving

Class: F.Y. **Faculty Name**: Mrs. Atpadkar S.S.

Module 2

1. The length and breadth of rectangle and radius of circle are input through keyboard .Write a program to calculate area and perimeter of rectangle and area and circumference of circle.
2. Write a program to read number and display its reverse using while loop.
3. Write a program to calculate the area and perimeter of a rectangle.
4. Write a program to declare and initialize variables of different datatype and display their sizes.
5. Write a program to demonstrate the use of assignment operator and evaluate expression involving them.

Module 3

1. Write a Program to accept two number and compute quotient and remainder and display
2. Write a C program to calculate factorial of number using function?
3. Write a C program to create simple calculator using switch case?
4. Write a C program to show table of a number using functions.
5. Write the program using Switch Statement which takes an arithmetic operator +, -, *, / and two operands from the user as an input and performs the calculation on the two operands.
6. Write a C program to Demonstrate returning of day based numeric value
7. Write a program and draw a flowchart to check given number is even or odd
8. Write a program to calculate factorial of a number using function
9. Write a program to calculate sum and square of randomly entered n numbers using for loop.
10. Write a program to check maximum between three numbers.
11. Write a program to calculate area of circle using function
12. Write a program to demonstrate any 3 string function using c program.
13. Write a program to implement menu –driven program using switch case statement to perform arithmetic operation.

14. Write a program to print fibonacci series using a loop
15. Write a program to print following pattern

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* *
* * *
* * * *
* * * * *
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Module 4

1. Write a program to read 10 elements from the user by using array and display the squares of the elements.
2. Write a program to find minimum number in an array containing five elements of integer type
3. Write a program to read 0 to 10 numbers from users by using array and display average of numbers?
4. Write program for addition of two dimensional matrices using multi dimensional array?
5. Write a C program to perform string operation using in built string function?a)Concatenate b)Copy c)Length of string
6. Write a program to perform Multiplication of two 3x2 matrices if matrix elements are entered by userWrite a program to print addition and subtraction of two matrices by taking input from the user.
7. Write a program to initialize and display elements of one dimensional array
8. Write a program to transpose a matrix using two dimensional array
9. Write a program to demonstrate the use of pointers to access elements of array
10. Write a program to swap two numbers using pointers
11. Create an array of structure to store details of multiple students and perform operations like searching and sorting based on roll number

Module 5

1. Write a C program to store information(name, Rollno and Marks) of a student and displays it on the screen using structure
2. Write a program in c to create structure rectangle consists of length and breadth as member? Calculate and display area of rectangle?.
3. Write a program in C to create structure having name as Student consisting of name ,address, student_id as member, read the details of five students from user then display data entered by user on screen.(use array of structure)
4. Write a program to enter Student details such as Name, Department, PRN using structure.
5. Write a program to enter and print data of three books which contain. its Name,Author and Publisher type of book using structure.

6. Write a program in C to create a structure having information about books (book id,name, author, and publisher). Read the data of 6 books from the user and display the data entered by the user on the screen.
7. Write a program to read data from a text file , perform some operations (e.g., calculation) and write the results to another file
8. .Implement file handling operation in C to copy the content of one file to another.

Subject Teacher **HoD**