BIM Second Semester: Structure programming lab sheet 8

1. Analyze the output of the given below program

    ```c
    #include<stdio.h>

    #include<conio.h>

    void main()

    {

    int x=9;

    int *xptr=&x;

    int **xpptr=&xptr;

    printf("Content of x:%d\n",x);

    printf("Content of x:%d\n",*xptr);

    printf("Content of x:%d\n",*(*(xpptr)));

    printf("Address of x:%d\n",&x);

    printf("Address of x:%d\n",xptr);

    printf("Address of x:%d\n",*xpptr);

    printf("Content of xptr:%d\n",xptr);

    printf("Content of xptr:%d\n",*xpptr);

    printf("Address of xptr:%d\n",&xptr);

    printf("Address of xptr:%d\n",xpptr);

    getch();

    }
    ```

2. Write a program that can accept the content of two numbers and perform them addition, subtraction and multiplication between them using pointer only.
3. Write a program to find the largest number among three numbers using pointer.
4. Write a program which takes an input from user and then checks whether it is a number or a character.
5. Write a program to display the sum and average of numbers from 1 to n.
6. Write a program that can accept the content of one 1-Dimensional Array called A of size 10 using pointer and display its content using pointer only.
7. Write a program that can declare a 1-Dimensional called height [20], accept its content using pointer and find the largest among them using pointer.

BIM Second Semester: Structure programming lab sheet 8

8. Write a program that can accept the content of two 1-Dimensional arrays called A and B of size 10 using pointer. Perform C=A+B using pointer only, now display the content of C array but using pointer.

9. Write a program that can declare a 1-Dimensional array of size n. Now accept the content of that array and display their content.

10. Write three 1-Dimensional array called A, B and C of size n. Now accept the content of A and B. Perform C=A-B and display the result.

11. Write a program that can swap the content of two variables using user defined function called swap with following prototype: void swap(int *, int *);

12. Write a program that can find the largest of number of an array using user defined function called largest with following prototype: int largest(int *);

13. Write a program that can sort an array in ascending order using user defined function called ascending with following prototype: void ascending(int *);

14. Write a program that can perform C=A+B where A,B and C are 1-Dimensional array of size 10, using user defined function called add with following prototype: void add(int *at,int *bt,int *ct);