

LAB EXERCISE #7

Objective(s):

To understand programming with Pointer, String and Function call by reference.

Program: Write a program to find biggest among three numbers using pointer.

Code:

```
#include<stdio.h>

int main()
{
int a,b,c; int*ptr a=&a,*ptrb=&b,*ptrc=&c;
printf("enter three values");
scanf("%d%d%d",ptr a,ptrb,ptrc);
printf("a=%d\n b=%d\n c=%d\n",*ptr a,*ptrb,*ptrc);
if((*ptr a>*ptrb && *ptr a>*ptrc))
    printf("biggest number=%d",*ptr a);
else if((*ptrb>*ptr a && *ptrb>*ptrc))
    printf("biggest number =%d",*ptrb);
else
    printf("biggest number=%d",*ptrc);
getch();
return 0;
}
```

SAMPLE PROGRAMS

(Students are to code the following programs in the lab and show the output to instructor/course Teacher)

Instructions

- *Write comment to make your programs readable.*
- *Use descriptive variables in your programs(Name of the variables should show their purposes)*

Programs List

1. Write a program to find the sum of all the elements of an array using pointers.
2. Write a program to swap value of two variables using pointer.
3. Write a program to add two numbers using pointers.
4. Write a program to input and print array elements using pointer.
5. Write a program to copy one array to another using pointer.
6. Write a program to swap two arrays using pointers.
7. Write a program to reverse an array using pointers.
8. Write a program to add two 2 X 2 matrix using pointers.
9. Write a program to find length of string using pointers.
10. Write a program to copy one string to another using pointer.
11. Write a program to concatenate two strings using pointers.