

National University of Computer and Emerging Sciences



Lab Manual 01 Object Oriented Programming

Course Instructor	
Lab Instructor (s)	
Section	
Semester	

Department of Computer Science
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Note: For all the integer or float variables in all the programs, take input value from user.

TASK 1:

Write the following code and observe the output:

```
int x,y;
```

```

x=3, y=4;
int * p;
int * q;
p=& x;
q=&y;
cout<< x<<"\t"<<p<<"\t"<<*p<<"\t"<<&p<<"\t"<<&x<<endl;
cout<<y<<"\t"<<q<<"\t"<<*q<<"\t"<<&q<<"\t"<<&y<<endl;

```

TASK 2:

Given two integers x and y, find their sum using pointers.

TASK 3:

Write a C++ program that creates a pointer to an integer and print the following:
 Square of the integer, cube of the integer, half of the integer

TASK 4:

- a) Write a C++ program that finds the median of following three integers using their pointers.
 const **int** a=5;
 const **int** b=10;
 const **int** c=12'
- b) Modify your program a little. Try to assign the value -1 to whichever integer occurs to be the median. The task is to be done through pointers.

TASK 5:

Write a program that takes input from user and take key to find from data apply different algorithms on this minimum three and tell which is best and why?