# C and C++

**Exp 1:**

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| **C++ implementation:**  #include<iostream>  using namespace std; *//apply prefix “std::”. It allows us to use cout in place of std::cout.*  int main(void)  {  int i;  i=4;  cout<<"i="<<i<<endl; *//output stream*  *endl-> end-of-line (“\n”)*  cout<<"Address of i is "<<&i<<endl;  return 0; *//optional, some compilers except it to be included as the last line of the main() function.*  } | **Output:**  i=4  Address of i is 0012FF7C |

**Exp 2:**

**C++ implementation:**

#include<iostream>

using namespace std;

int main(void)

{

int m, n;

char a;

cout<<"Enter two integer";

cin>>m>>n;

cout<<"m="<<m<<" n="<<n<<endl;

cout<<"Enter a character";

cin>>a;

cout<<"Character is "<<a<<endl;

return 0;

}

**Exp 3:**

Write a complete C++ code to display the numbers from 0 to 5, together with their square roots. Use sqrt() pre-defined function.

**Exp 4:**

Write a complete C++ program to get two numbers from the user and then calculate their maximum. Use the following user-defined function prototype for finding the maximum:

int max(int, int)

**Exp 5:**

Write a complete C++ program to display the Fibonacci numbers. The program should get the input specifying the order of Fibonacci number, and then display the series up to input number.

Fibonacci Numbers = 0, 1, 1, 2, 3, 5, 8, 13, 21 ….

**Output:**

Enter the last value of Fibonacci series10

Fibonacci Numbers = 0, 1, 1, 2, 3, 5, 8