**CHAROTAR UNIVERSITY OF SCIENCE & TECHNOLOGY**

**DEVANG PATEL INSTITUTE OF ADVANCE TECHNOLOGY & RESEARCH**

Department of Computer Engineering/Computer Science & Engineering/ Information Technology

**Subject Name: Object Oriented Programming with C++**

**Semester: II**

**Subject Code: CE144**

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| **No.** | **Aim of the Practical** |
| **6.** | **Find output of the following code: Explain how scope Resolution operator is used to access global version of a variable.**  **#include <iostream.h>**  **#include <conio.h>**  **int m = 30;**  **int main()**  **{**  **int m = 20;**  **{**  **int m = 10;**  **cout <<”we are in inner block”<< endl;**  **cout <<”value of m =”<< m <<”\n”;**  **cout <<”value of ::m =”<< ::m <<”\n”;**  **}**  **cout <<”we are in outer block”<< endl;**  **cout <<”value of m =”<< m <<”\n”;**  **cout <<”value of ::m =”<< ::m <<”\n”;**  **getch();**  **return 0;**  **}**  **OUTPUT:**    **EXPLANATION:** The scope operator defines the scope of a variable and also if can be defined as if the global variable name is same as local variable name, the scope resolutionoperator will be used to call the global variable. It is also used to define a function outside the class and used to access the static variables of class and hence here we used that just to symbolize its effectiveness in a c++ program.  **CONCLUSION:** In this practical we learn about how scope Resolution operator is used to access global version of a variable. It is declared as  :: variable. |