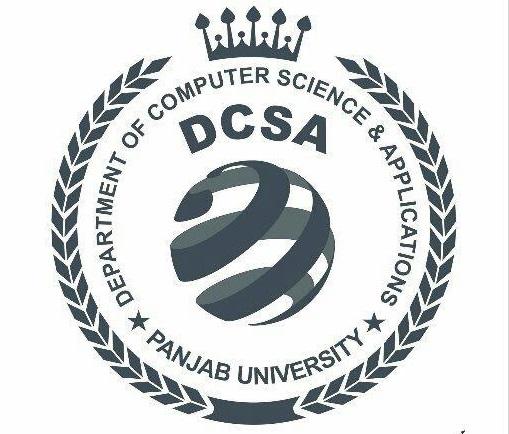
**DEPARTMENT OF COMPUTER SCIENCE AND APPLICATIONS**

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**PANJAB UNIVERSITY**

**CHANDIGARH**



**C++ / JAVA ASSIGNMENT**

**SUBMITTED TO: SUBMITTED BY:**

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**MCA-II(Evening)**

**Roll No. 51**

**1.Program for data types in cpp version `14 and above**

#include<iostream>

using namespace std;

int main(){

cout<<"DATA TYPES IN C++ v.14 (size in bytes=8bits)\n";

/\*string size

(NOte it skips everthing after the space on runtime initialisation)

\*/

cout<<"size of string : "<<sizeof(string)<<endl;

//void type=1 byte

cout<<"size of void : "<<sizeof(void)<<endl;

//bool types

cout<<"size of bool : "<<sizeof(bool)<<endl;

//Char types

//cout<<"size of char32\_t : "<<sizeof(char32\_t)<<endl;

//cout<<"size of char16\_t :"<<sizeof(char16\_t)<<endl;

cout<<"size of char : "<<sizeof(char)<<endl;

cout<<"size of wchar\_t : "<<sizeof(wchar\_t)<<endl;

//int types

cout<<"size of int64\_t :"<<sizeof(int64\_t)<<endl;

cout<<"size of int32\_t : "<<sizeof(int32\_t)<<endl;

cout<<"size of int : "<<sizeof(int)<<endl;

cout<<"size of int16\_t : "<<sizeof(int16\_t)<<endl;

cout<<"size of short : "<<sizeof(short)<<endl;

//floating point types

cout<<"Size of float : "<<sizeof(float)<<endl;

cout<<"size of double : "<<sizeof(double)<<endl;

//cout<<"size of float\_denorm\_style : "<<sizeof(float\_denorm\_style)<<endl;

return 0;

}