

# C++ Variables and Data Types

## Assignment Questions



**Q1 – Take 2 integer values in two variables x and y and print their product.**

(Easy)

Sample Input : x=2, y=4 (Both integers)

Sample Output : 8

**Q2 – Print the ASCII value of character 'U'.**

(Easy)

Sample Input : already mentioned as 'U'

Sample Output : 85

**Q3 – Write a C++ program to take length and breadth of a rectangle and print its area.**

(Easy)

Sample Input : 7, 4

Sample Output : 28

**Q4 – Write a C++ program to calculate the cube of a number.**

(Easy)

Sample Input : 4

Sample Output : 64

**Q5 – Write a C++ program to find size of basic data types.**

(Medium)

Sample Input : Nil (Here it is expected that we explore the size of each data type that would be used commonly in the programs ahead. We can simply make use of sizeof(datatype) operator to accomplish this. Give it a try to know the data types in depth)

Sample Output :

Size of fundamental data types :

The sizeof(char) : 1 bytes

The sizeof(short) : 2 bytes

The sizeof(int) : 4 bytes

The sizeof(long): 4 bytes

The sizeof(long long) : 8 bytes

The sizeof(float) : 4 bytes

The sizeof(double) : 8 bytes

The sizeof(long double) : 12 bytes

The sizeof(bool) : 1 bytes

**Q6 – Write a C++ program to swap two numbers with the help of a third variable.**

(Hard)

Sample Input : 2, 3

Sample Output : 3, 2