

## MODULE 5 ASSESSMENT

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Course & Year: BSCS – 1

- Write a C++ code to implement a structure for a simple vehicle registration named vehicleReg with member items,
- On function main write an array of structures for vehicleReg, with 5 elements and initialize its content on the code according your preference.
- Pass this array of structures to a function name void reverseContent (vehicleReg x []) to reverse the content of this array of structures.

CODE:

```
#include<iostream>
#include<string>
using namespace std;

struct vehicleReg
{
    int registrationNum;
    string vehicleType;
};

void reverseContent(vehicleReg x[])
{
    vehicleReg r[5];

    for(int i = (5-1); i>=0; i--)
    {
        cout<<" "<<x[i].registrationNum<<"\t"<<x[i].vehicleType<<endl;
    }
}
```

```
int main()
{
    vehicleReg r[5];

    r[0].registrationNum = 101701;
    r[0].vehicleType = "Scooter";

    r[1].registrationNum = 111812;
    r[1].vehicleType = "Auto Mobile";

    r[2].registrationNum = 121923;
    r[2].vehicleType = "Jeepney";

    r[3].registrationNum = 132034;
    r[3].vehicleType = "E-Bike";

    r[4].registrationNum = 142145;
    r[4].vehicleType = "School Bus";

    //Reverses the array to bottom-top.
    cout<<"Reversed Array:\n"<<endl;
    reverseContent(r);
}
```

OUTPUT:

```
142145 School Bus
132034 E-Bike
121923 Jeepney
111812 Auto Mobile
101701 Scooter

Process returned 0 (0x0)   execution time : 0.040 s
Press any key to continue.
```