



Course Code: CS-1004	Course Name: Object-oriented Programming
Course Instructor: Syed Zain Ul Hassan	
Open Date: May 19, 2022	Deadline: May 21, 2022 (2:00 PM)

### Instructions:

- You are required to add just one line of code to perform upcasting for the given generic classes.
- You'll need to add the line of code for upcasting and then submit a single *.txt* file containing the modified code.
- Before submission, rename your file as your ID e.g. *k21-1234.docx*
- To be submitted on **Google Classroom** (code: 2mnoiwi)

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

template<class T1> class Parent
{
    T1 var;
public:
    Parent(T1 s)
    {
        var = s;
    }
    Parent() {}

    void display()
    {
        cout << var << endl;
    }
};

template <class T2> class Child : public Parent<int>
{
public:
    Child(T2 p) : Parent(p)
    {}
};

int main()
{
    Child<int> * c = new Child<int>(10);
    // Insert code line for upcasting here
}
```