

ASSIGNMENT 6: type casting

DATE: 24/03/2021

CODE:

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

int main() {

    //IMPLICIT CONVERSION
    {

        cout<<"IMPLICIT CONVERSION\n";
        int num = 10;
        char ch = 'A';
        cout<<"10 + 'A' = "<<num + ch<<endl;

        float val = num + 'a';
        cout<<"float val(10 + 'a') = "<<val<<endl;

        short var = 1000;
        int var_int = var;
        cout<<"var_int = "<<var_int;
        cout<<"\n\n";
    }

    //EXPLICIT CONVERSION
    // using assignment operator
    {
        cout<<"EXPLICIT CONVERSION\n"<<"USING ASSIGNMENT OPERATOR\n";
        int sum;
        double salary = 4563.75;
        sum = (int)salary + 1000;
        cout<<"Sum = "<<sum<<endl;

        double comp = (double)sum + 0.20;
        cout<<"Comp = "<<comp;
        cout<<"\n\n";
    }

    return 0;
}
```

OUTPUT:

```
IMPLICIT CONVERSION
10 + 'A' = 75
float val(10 + 'a') = 107
var_int = 1000

EXPLICIT CONVERSION
USING ASSIGNMENT OPERATOR
Sum = 5563
Comp = 5563.2

...Program finished with exit code 0
Press ENTER to exit console.
```