Assignment 1

CODE:-

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

int main()

{

    int nTV , nDVD , nremote;
    double subtotal , total , tax;
    cout << "Enter the number of TVs you want::";
    cin >> nTV;
    cout << "Enter the number of DVDs you want::";
    cin >> nDVD;
    cout << "Enter the number of Remotes you want::";
    cin >> nremote;
    subtotal=nTV*1400 + nDVD*220 + nremote*35;  //calculating subtotal
    tax=(subtotal*8.25)/100;   //calculating tax
    total=subtotal+tax;    //calculating total
    cout << "***************BILL**************" << endl;
    cout << "ITEMS    QUANTITY   TOTAL COST" << endl;
    cout << "TVs      " << nTV << " X 1400   $" << nTV*1400 << endl;
    cout << "DVDs      " << nDVD << " X 220    $" << nDVD*220 << endl;
    cout << "Remotes    " << nremote << " X 35     $" << nremote*35 << endl;
```
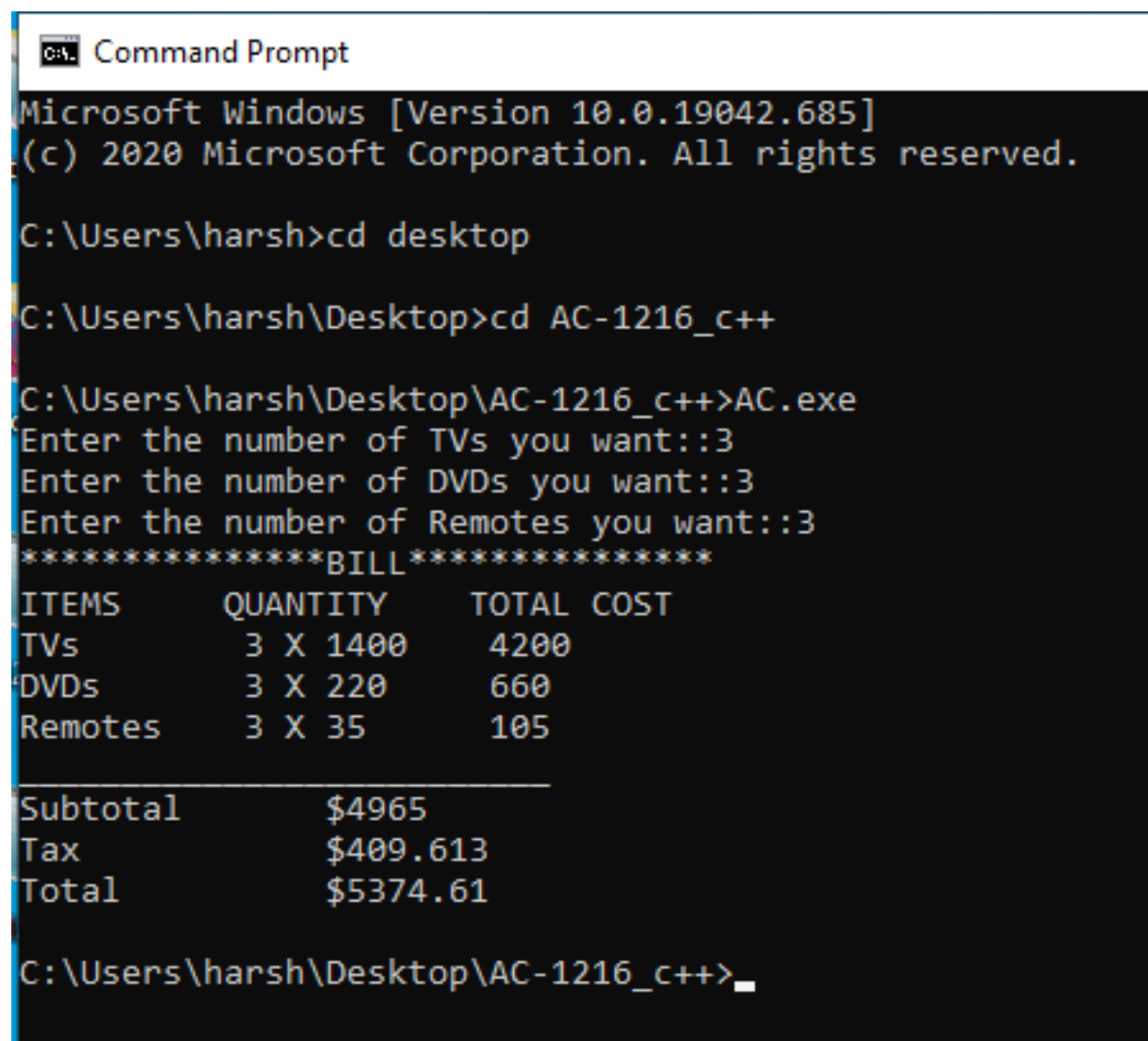
```cpp
    cout <<"_____" << endl;

    cout << "Subtotal     $" << subtotal << endl;

    cout << "Tax         $" << tax << endl;

    cout << "Total       $" << total << endl;

 return 0;

}
```

Output:-

Assignment-2

Code:-

```cpp
#include <iostream>

using namespace std;


int main()


{


    int day , month , year , weekday;
    cout << "Enter the day::";
    cin >> day;
    cout << "Enter the month::";
    cin >> month;
    cout << "Enter the year::";
    cin >> year;
    if(month==1)
        {
                month=13;
                year--;
        }
    if(month==2)
        {
                month=14;
                year--;
        }
```
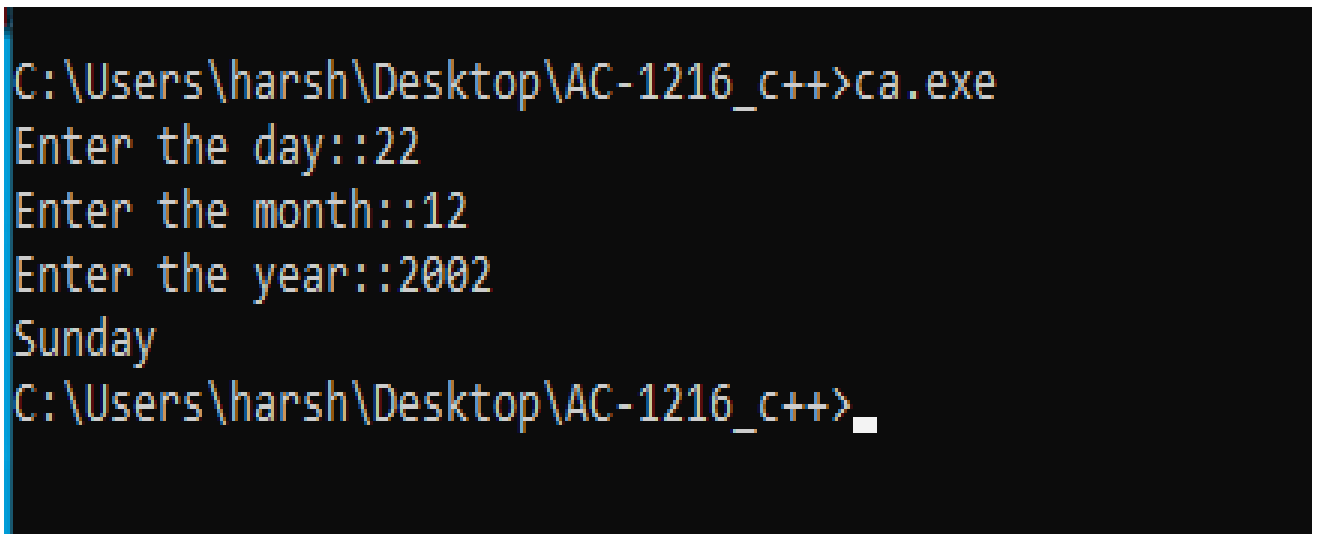
```cpp
    weekday=(day+26*(month+1)/10+year+(year/4)-(year/100)+(year/400))%7;

//taking switch cases and printing the result

    switch(weekday)

        {

                case 0: cout << "Saturday" ; break;

                case 1: cout << "Sunday" ; break;

                case 2: cout << "Monday" ; break;

                case 3: cout << "Tuesday" ; break;

                case 4: cout << "Wednesday" ; break;

                case 5: cout << "Thursday" ; break;

                case 6: cout << "Friday" ; break;

        }

    return 0;

}
```

Output:-

```
C:\Users\harsh\Desktop\AC-1216_c++>ca.exe
Enter the day::22
Enter the month::12
Enter the year::2002
Sunday
C:\Users\harsh\Desktop\AC-1216_c++>
```