

Script started on 2020-11-07 19:49:23-0600

```
m_sadafl@ares:~$ pwd
/home/students/m_sadafl
m_sadafl@ares:~$ cat carwash.info
Name: Madiha Sadaf
Class: CSC121 W01
```

Project: Hot Wax with That, Mister?
Option: Random generation of wash code.
Level: 4
Level: +1 (random washcode)
Total Level: 5

Description:

This program gives the randomly generated token to the user after the user chooses which type of wash they would like for their vehicle.

```
m_sadafl@ares:~$ cat carwash.cpp
```

```
#include <iostream>
#include <cmath>
#include <cstdlib>
#include <cmath>
```

```
using namespace std;
```

```
int main (void)
{
    srand(static_cast<unsigned>(time(nullptr)));

    long total;
    char yes_no, option;
    bool reached;

    total = rand() % (9999999 - 1000000 + 1) + 1000000;

    cout<< "\t\t\tWelcome to Fred's Gas'n'Go Car Wash System!!!\n";

    cout << "\nWould you like a car wash today? ";
    cin >> yes_no;
    cin.ignore(numeric_limits<streamsize>::max(), '\n');
    while ( toupper(yes_no) == 'Y' )
    {
        cout<< "\nWhich wash would you like: "
              "Super, Premium, or Ultra? ";
        cin>> option;
```

```
        cin.ignore(numeric_limits<streamsize>::max(), '\n');

        option = static_cast<char>(toupper(option));

        reached = false;
        if (option == 'S')
        {
            cout<< "\nThat will be $5.00, is that okay? ";
        }
        else if (option == 'P')
        {
            cout<< "\nThat will be $6.00, is that okay? ";
        }

        else if (option == 'U')
        {
            cout<< "\nThat will be $8.00, is that okay? ";
        }
        else
        {
            reached = true;
            cout<< "\nInvalid option chosen, please try again.\n";
        }

        if (!reached)
        {
            cin >> yes_no;
            cin.ignore(numeric_limits<streamsize>::max(), '\n');
            if ( toupper(yes_no) == 'Y' )
            {
                cout << "\n\nGood, your wash code is "<<total<<
                      " It will be good until noon on Friday.\n";
            }
            else
            {
                cout << "\nI'm sorry...\n";
            }
        }

        if (toupper(yes_no) == 'N' || reached)
        {
            cout << "\n\nWould you like a car wash today? ";
            cin >> yes_no;
            cin.ignore(numeric_limits<streamsize>::max(), '\n');
        }
    }
}
```

```
        else
        {
            yes_no = 'N';
        }
    }
    cout<< "\n\nThank you for using the FGnGCWS!!\n";

    cout<< "\nEndeavor to have a spot-free day!\n";

    return 0;
}
m_sadafl@ares:~$
m_sadafl@ares:~$ CPP carwash
carwash.cpp***

m_sadafl@ares:~$ ./carwash.out
                Welcome to Fred's Gas'n'Go Car Wash System!!!

Would you like a car wash today? you becha!

Which wash would you like: Super, Premium, or Ultra? super...man

That will be $5.00, is that okay? no way! es muy dinero!

I'm sorry...

Would you like a car wash today? YES!!!

Which wash would you like: Super, Premium, or Ultra? Ultra...man

That will be $8.00, is that okay? No can do, kemo slabe...

I'm sorry...

Would you like a car wash today? yuh...but I'm losing hope...

Which wash would you like: Super, Premium, or Ultra? premioso por favor

That will be $6.00, is that okay? yeah...let me take out a loan first...

Good, your wash code is 1340853 It will be good until noon on Friday.

Thank you for using the FGnGCWS!!
```

```
Endeavor to have a spot-free day!
m_sadafl@ares:~$
m_sadafl@ares:~$ ./carwash.out
                Welcome to Fred's Gas'n'Go Car Wash System!!!

Would you like a car wash today? yup

Which wash would you like: Super, Premium, or Ultra? p

That will be $6.00, is that okay? yes

Good, your wash code is 6380769 It will be good until noon on Friday.

Thank you for using the FGnGCWS!!

Endeavor to have a spot-free day!
m_sadafl@ares:~$
m_sadafl@ares:~$ ./carwash.out
                Welcome to Fred's Gas'n'Go Car Wash System!!!

Would you like a car wash today? N0000000!!!!

Thank you for using the FGnGCWS!!

Endeavor to have a spot-free day!
m_sadafl@ares:~$
m_sadafl@ares:~$ exit
exit

Script done on 2020-11-07 19:52:21-0600
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