

Assignment – Object Oriented Programming (By Brijesh Sir)

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Code:

```
#include<iostream>
```

```
#include<stdlib.h>
```

```
using namespace std;
```

```
// function prototypes
```

```
void printIntroMenu();
```

```
void printMainMenu();
```

```
void start();
```

```
void login();
```

```
void createAccount();
```

```
// global variable (use this variable to store the user's menu  
selection)
```

```
char menuInput, choice;
```

```
int username = 00, pwd = 0000, bal = 0;
```

```
int dep,with;
```

```
// the main function
```

```
int main()
```

```
{
```

```
do
```

```
{
```

```
    cout << "Hi ! Welcome To Mr. Zamar's ATM Machine !" << endl;
```

```
    cout << endl;

    start();

    printIntroMenu();

    cin >> menuInput;

    switch(menuInput)
    {
        case 'l': {
            login();

            break;
        }

        case 'c':{
            createAccount();

            break;
        }

        default:
        {
            cout << "Please enter a valid input !" << endl;

            cout << endl;

            break;
        }
    }

}while(menuInput != 'q');

return 0;

}
```

```
void printIntroMenu()
```

```
{  
    cout << "l - Login\nc - Create New Account\nq - Quit" << endl;  
}
```

```
void printMainMenu()
```

```
{  
    do  
    {  
        cout << "d - Deposit Money\nw - Withdraw Money\nr - Request  
Balance" << endl;
```

```
        cin >> choice;
```

```
        switch(choice)
```

```
        {  
            case 'd':  
            {  
                cout << "Amount of deposit : ";  
                cin >> dep;  
                bal += dep;  
                cout << endl;  
                break;  
            }
```

```
            case 'w':
```

```
            {
```

```

        cout << "Amount of Withdrawl : ";
        cin >> with;
        bal -= with;
        cout << endl;
        break;
    }
    case 'r':
    {
        cout << "Your Balance is : " << bal << endl;
        cout << endl;
        break;
    }
    default :
    {
        cout << "Please enter a valid input !" << endl;
        cout << endl;
        break;
    }
}
}while(choice != 'q');
}

void start()
{
    cout << "Please select an option from the menu below:" << endl;
}

```

void createAccount()

```
{  
    cout << "Please enter your username : ";  
    cin >> username ;  
    cout << "Please enter your password : ";  
    cin >> pwd;  
    // cout << username << pwd;  
    cout << "Thank You ! Your account has been created !" << endl;  
    cout << endl;  
}
```

void login()

```
{  
    int uname, pwd1;  
    cout << "Please enter your username : ";  
    cin >> uname ;  
    cout << "Please enter your password : ";  
    cin >> pwd1;  
  
    if(uname == username && pwd1 == pwd)  
    {  
        cout << "Access Granted !" << endl;  
        cout << endl;  
        printMainMenu();  
    }
```

```
else
{
    cout << "***** LOGIN FAILED *****" <<
endl;
    cout << endl;
}

}

// CODE ENDS HERE
```