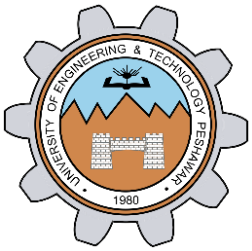
OOP ASSIGNMENT # 01



Fall 2022

CSE-208 OBJECT ORIENTED PROGRAMMING

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"On my honor, as student of University of Engineering and Technology, I have neither given nor received unauthorized assistance on this academic work."

Submitted to:

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DATED: 19 / OCT / 2022

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TASK 1

CODE:

Task_1.cpp | Task_2.cpp | Task_3.cpp | Task_4.cpp | Task_5.cpp

D: > UNi > OOP > THeory > OOP Thoery Assignment 1 > Task_1.cpp > ...

```cpp
#include <iostream>
#include <string>

using namespace std;

int main()
{
    string x, y;
    system("cls");
    cout << "Enter your name: ";
    getline(cin, x);
    cout << "Enter your age: ";
    getline(cin, y);
    cout << "Your name is " << x << endl;
    cout << "Your age is " << y << endl;
    system("pause");
    return 0;
}

```

OUTPUT:

```
14      cout << "Your name is " << x << endl;
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL JUPYTER

```
Enter your name: AliAsghar
Enter your age: 20
Your name is AliAsghar
Your age is 20
Press any key to continue . . .
```

TASK 2

CODE:

Task_1.cpp | Task_2.cpp | Task_3.cpp | Task_4.cpp | Task_5.cpp

D: > UNi > OOP > THeory > OOP Thoery Assignment 1 > Task_2.cpp > main()

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

int Calc_year(int, int);

int main(){
    int x, y, z;
    system("cls");
    cout << "Enter your birth year: ";
    cin >> x;
    cout << "enter current year: ";
    cin >> y;
    z = Calc_year(x, y);
    cout << "Your age at the end of this year will be " << z << " years." << endl;
    system("pause");
    return 0;
}

int Calc_year(int a, int b){
    int res;
    res = b - a;
    return res;
}
```

OUTPUT:

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL JUPYTER

```
Enter your birth year: 2001
enter current year: 2022
Your age at the end of this year will be 21 years.
Press any key to continue . . .
```

TASK 3

CODE:

Task_1.cpp | Task_2.cpp | Task_3.cpp | Task_4.cpp | Task_5.cpp

D: > UNi > OOP > THeory > OOP Thoery Assignment 1 > Task_3.cpp > Calc_year(int)

```cpp
#include <iostream>
using namespace std;
int Calc_year(int);
int main()
{
    int x, r;
    system("cls");

    cout << "Enter your birth year: ";
    cin >> x;
    r = Calc_year(x);
    cout << "Your age at the end of this millenium will be " << r << " years." << endl;

    system("pause");
    return 0;
}

int Calc_year(int a)
{
    int result, mil;
    mil = 3000;
    result = mil - a;
    return result;
}
```

OUTPUT:

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL JUPYTER

```
Enter your birth year: 2001
Your age at the end of this millenium will be 999 years.
Press any key to continue . . .
```

TASK 4

CODE:

Task_1.cpp | Task_2.cpp | Task_3.cpp | Task_4.cpp | Task_5.cpp

D: > UNi > OOP > THeory > OOP Thoery Assignment 1 > Task_4.cpp > main()

```cpp
#include <iostream>
using namespace std;
int main()
{
    system("cls");
    cout << "One double quote: \" \nTwo double quotes: \"\"\nBackslash: \\" << endl;
    system("pause");

    return 0;
}

```

OUTPUT:

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL JUPYTER

```
One double quote: "
Two double quotes: ""
Backslash: \
Press any key to continue . . .
```

TASK 5

CODE:

Task_1.cpp | Task_2.cpp | Task_3.cpp | Task_4.cpp | Task_5.cpp

D: > UNi > OOP > THeory > OOP Thoery Assignment 1 > Task_5.cpp > main()

```cpp
#include <iostream>
using namespace std;
int main()
{
    char i, j;
    system("cls");
    i = 'A';
    j = 'B';
    i = 'C' + 1;
    cout << "The Program was executed succesfully."<<endl;
    system("pause");
    return 0;
}

```

OUTPUT:

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL JUPYTER

```
The Program was executed succesfully.
Press any key to continue . . .
```