

Leksion 5

Ushtrim 1 : Deklarimi i disa karaktereve speciale ne c++

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

using namespace std;

int main(int argc, char *argv[])
{
    cout<<"rresht i ri \n";
    cout<<"Kjo eshte \t nje hapsire tab \n";
    cout<<"Fillimi i rreshtit \r kthe ne fillim \n";
    cout<<"Do jemi pak me poshte me rreshta \v nje tab me poshte \n";
    cout<<"Mos harroni apostrofet ne c\'do dhe cdo \n";
    cout<<"ckemi \? \n";
    cout<<"fshije nje shkronje\bE \n";
    cout<<"Sinjal zanor \a \n";
    cout<<"Ky eshte nje backslash \\ \n";
    cout<<"Ushtrim \i veshtire\ shume \n";

    system("PAUSE");
    return 0;
}
```

Ushtrim 2 : vleredhenie komplekse

```
#include <cstdlib>
#include <iostream>
using namespace std;
int main(int argc, char *argv[])
{
    int a=14;
    a+=15;
    cout<<a<<" mbledhje \n";
    a-=8;
    cout<<a<<" zbritje \n";
    a*=20;
    cout<<a<<" shumezim \n";
    a/=3;
    cout<<a<<" pjesetim\n";
    a%=130;
    cout<<a<<" mbetje\n";
    a<<=1;
    cout<<a<<" zhvendosje majtas \n";
    a>>=1;
    cout<<a<<" zhvendosje djathtas \n";
    a&=15;
    cout<<a<<" dhe bitesh\n";
    a|=15;
```

```

cout<<a<<" ose bitesh \n";
a^=10;
cout<<a<<" XOR bitesh \n";

system("PAUSE");
return EXIT_SUCCESS;
}

```

Ushtrim 3 operoret e krahasimit

```

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

int main()
{
    bool b;
    int x,y;
    x=125;
    y=452;
    cout<<"-----afishime 1-----\n";
    cout<<x<<" me e madhe se "<<y<<" ? (0 per false, 1 per true) "<<(x>y)<<"\n";
    cout<<(x*7)<<" me e madhe se "<<y<<" ? (0 per false, 1 per true) "<<((x*7)>y)<<"\n";
    cout<<104<<" e barabarte me "<<y<<" ? (0 per false, 1 per true) "<<(104==y)<<"\n";
    cout<<(x+y)<<" me e vogel e barabarte me "<<y*3<<" ? (0 per false, 1 per true)
"<<((x+y)<=(y*3))<<"\n";
    cout<<(54)<<" e ndryshme me "<<54<<" ? (0 per false, 1 per true) "<<(54!=54)<<"\n";
    cout<<"-----afishime 2-----\n";
    b=(x==y);
    cout<<x<<" e barabarte me "<<y<<"? "<<b<<"\n";
    b=(x+100)<y;
    cout<<x+100<<" me e vogel se "<<y<<"? "<<b<<"\n";

    system("PAUSE");
    return EXIT_SUCCESS;
}

```

Ushtrim 4: te shkëmbehen vlerat e variablave a dhe b,duke perdore nje variabel te perkohshem

```

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

int main(int argc, char *argv[])
{
    int a,b,temp;
    a=14;
    b=78;
    cout<<"vlerat fillestare: "<<a<<" "<<b<<endl;
    temp=a;

```

```

a=b;
b=temp;
cout<<"vlerat pas shkembimit: "<<a<<" "<<b<<endl;

system("PAUSE");
return EXIT_SUCCESS;
}

```

Shembull ekzekutimi:
vlerat fillestare: 14 78
vlerat pas shkembimit: 78 14

Ushtrim 5: Gjeni dallimet mes kodit me cikël for dhe atij me cikël while

```

#include <iostream>
using namespace std;

int main()
{
    int count = 1;
    while (count <= 5)
    {
        int count = 1;
        cout << count << "\n";
        count++;
    }
    return 0;
}

```

```

#include <iostream>
using namespace std;

int main()
{
    int count = 1;
    for (; count <= 5 ; count++)
    {
        int count = 1;
        cout << count << "\n";
    }
    return 0;
}

```

Ushtrim 6: Duke perdore case, gjeni sa dite ka muaji.

```

#include <cstdlib>
#include <iostream>

using namespace std;

```

```
int main( )
{
    int muaj;
    cout<<"jepni numrin per muajin \n";
    cin>>muaj;
    switch(muaj)
    {
        case 1:
        case 3:
        case 5:
        case 7:
        case 8:
        case 10:
        case 12:
            cout<<" muaji ka 31 dite \n";
                break;
        case 2:
            int viti;
            cout<<" ne kete rast jepni edhe vitin \n";
            cin>>viti;
            switch(viti)
            {
                case 2000:
                case 2004:
                case 2008:
                    cout<<" muaji ka 29 dite\n";
                        break;
                case 2012:
                case 2016:
                    cout<<" muaji do te kete 29 dite \n";
                        break;
                default :
                    cout<<" muaji ka 28 dite \n";
            }
            break;
        case 4:
            case 6:
            case 9:
            case 11:
                cout<<" muaji ka 30 dite \n";
                    break;
            default:
                cout<<" 12 muaj ka viti, jo me shume..\n";
    }

    system("PAUSE");
    return EXIT_SUCCESS;
}
```

Ushtrim 7 Shkruani nje program i cili kerkon perdoruesit te shtype nje numer te plote dhe shkruan "Ju fituat" nqs vlera eshte mes 56 dhe 87 (te dy keto numra

perfshihen). Nqs numri i dhene nuk eshte mes ketyre vlerave atehere afishohet " Ju keni humbur".

Zgjidhje

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

int main()
{
    int value;
    cout << "please enter any integer : ";
    cin >> value;
    if ( (value >= 56) && (value <= 78) )
        cout << " Ju fituat " << endl;
    else
        cout << " Ju keni humbur" << endl;
}
```

Zgjidhje alternative :

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

int main(){
    int input;
    cout << "enter a number through 1-100\n";
    cin>> input;
    if( input <56 || input >78){
        cout<< " Ju fituat "<<endl;
    }
    else{
        cout<<" Ju keni humbur "<<endl;
    }
    return main();
}
```

Shikoni edhe kete variant :

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

using namespace std;

int main(int argc, char *argv[])
{
    int input = 0;
    cout<<"Jepni nje numer \n";
    cin >> input;

    while(!((input >= 56) && (input <= 78)))
```

```
{
    cout << "Ju keni humbur. Provo perseri me nje nr tjeter " << endl;
    cin >> input;
}
cout << "Ju keni fituar" << endl;

system("PAUSE");
return EXIT_SUCCESS;
}
```

Ushtrimi 8: Shkruani nje program qe kerkon nga perdoruesi te shtype 10 numra te plote dhe afishon shumen e ketyre numrave.

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

int main()
{
    int i, nr, shuma=0;
    cout<<"jepni 10 numra qe doni te mblidhni\n";
    for(i=1;i<=10;i++){

        cout<<"\njepni numrin e "<<i<<"-te ";
        cin>>nr;
        shuma=shuma+nr;
    }
    cout<<"shuma e ketyre numrave eshte : "<<shuma<<endl;

    system("PAUSE");
    return EXIT_SUCCESS;
}
```