

**Lenda: Baza te Informatikes.**  
**Dega: Matematik-Fizik nimor Informatik**  
**Master Profesional**  
**Lektore: MSc. Elisa Reçi**



## Ushtrime-Seria 1

1. Shkruani nje program qe pyet perdoruesin per te vendosur nje vlere integer dhe afishon "Fituat" nqs vlere e futur eshte ndermjet 56 dhe 78, ne rast se jo ath afishon "Humbet"
2. Shkruani nje program qe i kerkon perdoruesit te jape te gjitha numrat integer ndermjet 8-23 (perfishire 8 dhe 23) duke perdorur strukturen FOR.
3. Ndertoni te njejtin ushtrim por duke perdorur WHILE
4. Shkruani programin qe i kerkon perdoruesit te jap 10 integer dhe afishon shumen e tyre.
5. Shkruani nje program qe i kerkon perdoruesit 10 nr integer dhe afishon me te voglin nder tyre.
6. Shkruani nje program qe i kerkon perdoruesit nje vlere integer N dhe llogarit shumen nga  $5^3$  deri ne  $N^3$
7. Shkruani nje program qe i kerkon perdoruesit te jap nje vlere N integer dhe llogarit  $u(N)$  me
$$u(0)=3$$
$$u(n+1)=3*u(n)+4$$
8. Shkruani nje program qe i kerkon perdoruesit te jap nje vlere integer pozitive. Kur perdoruesi jep nje vlere negative ath afishohet ERROR dhe perdoruesit i kerkohet te jap nje vlere tjeter. Kur perdoruesi jep 0 nenkupton qe vjera eshte dhene dhe programi duhet te percaktoje mesataren e te gjitha numrave pozitive.
9. Shkruani nje pergram qe merr 10 numra dhe tregon sa here perseritet numri me i madh.
10. Shkruani nje program qe i kerkon perdoruesit te jape nje vlere N dhe llogarit  $N!$

11. Shkruaj nje program qe i kerkon perdoruesit te jape nje vlere N dhe ne varesi te N afishon nje figure si me poshte:

```
N=1
*
N=2
**
*
N=3
***
**
*
```

12. Ndertoni programin qe i kerkon perdoruesit te jap numra duke i afishuar ato nga 3 here derisa jep vleren -999

13. Cfare do afishohet nga nje kod i tille nqs n= 18.

```
#include <iostream>
using namespace std;
int main(){
    int n, sum = 0, nums = 0;

    do
    {
        cout << "Enter a number (less than 1 = quit): ";
        cin >> n;

        if( n > 0 )
        {
            sum += n;
            ++nums;
        }
    } while( n > 0 );

    if( nums > 0 )
        cout << "The average is: " << sum / nums;
    else
        cout << "No average";

    cout << endl;
    return 0;
}
```

## 14. Cfare afishon kodi i meposhtem nese variable input merr vlerat: 8,23,15,0

```

#include <iostream>
int main()
{
    int input, numberBetween(0);
    const short int minNum(100), maxNum(200);
    do {
        cout << "Enter a number (0 to quit): ";
        cin >> input;
        if (input >= minNum && input <= maxNum)
            numberBetween++;
    } while (input != 0);

    cout << "Numbers between " << minNum << " and " << maxNum <<
": " << numberBetween;

    return(0);
}

```

## 15. Cfare afishon kodi i meposhtem :

```

#include <cstdlib>
#include <iostream>
#include <iomanip>
#include <cmath>

using namespace std;

int main()
{
    int i=7;
    int j=7;

    for(i=1;i<=7;i++){
        for(j=7-i;j>=1;--j)cout<<"*";
        cout<<"\n";
    }

    cout<<"\n";
    return 0;
}

```

16. Cfare afishon kodi i meposhtem:

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

using namespace std;

int main()
{
    int i;
    int j;
    int k;

    for(i=1;i<=7;i++){
        for(j=1;j<=i;++j)
            cout<<j;

        for(k=7-i;k>=1;k--)cout<<"*";

        cout<<"\n";
    }

    cout<<"\n";
    return 0; }
```

17. Cfare afishon kodi:

```
#include <iostream>

using namespace std;
int main()
{
    int j;
    for(j=0; j<15; j++)
        cout << j * j << " ";
    cout << endl;
    return 0;
}
```

## 18. Cfare afishon kodi:

```

#include <iostream>
#include <iomanip>
using namespace std;
int main()
{
int numb;
for(numb=1; numb<=10; numb++)
{
cout << setw(4) << numb;
int cube = numb*numb*numb;
cout << setw(6) << cube << endl;
}
return 0;
}

```

## 19. Cfare afishon kodi

---

```

#include <iostream>
using namespace std;
.
int main ()
{
int n ;
double x=1 , counter = 0.0 , y ;
cout << "Enter a positive integer number: ";
cin >> n;

for ( ; n >= x ; x++ )
{
cout << x << endl;
counter = 0;
counter += (0.1);
for ( ; counter <= (0.9) ; counter += (0.1) )
{
y = x + counter ;
cout << y << " , ";
} // End inner for
cout << endl;
} // End for

return 0;
.}

```

## 20. Cfare afishon kodet:

```
#include <iostream>
using namespace std;
int main()
{
    for ( int i=1 ; i<=8 ; i++ )
    {
        for ( int j=1 ; j<=i ; j++ )
            cout << '*';
        cout << endl;
    } //End outer for

    return 0;
}
```

```
#include <iostream>
using namespace std;
int main()
{
    for ( int i=1 ; i<=8 ; i++ )
    {
        for ( int s=i ; s<=8 ; s += 1 )
            cout << ' ';
        for ( int j=1 ; j<=i ; j++ )
            cout << '*';

        cout << endl;
    } //End outer for

    return 0;
}
```