

## Zadaci za vježbu

1. Unose se tri realna broja. Naci najveći od njih.

```
#include <iostream>
using namespace std;
int main() {
float a, b, c;
cin >> a >> b >> c;
if(a >= b && a >= c)
    cout << "Largest number: " << a;
if(b >= a && b >= c)
    cout << "Largest number: " << b;
if(c >= a && c >= b)
    cout << "Largest number: " << c;
return 0;
}
```

2. Unosi se prirodan broj n. Naci sumu prirodnih brojeva od 1 do n.

```
#include <iostream>
using namespace std;
int main()
{
int n, sum = 0;
cin >> n;
for (int i = 1; i <= n; ++i) {
    sum += i;
}
// or sum = n*(n+1)/2;
cout << sum;
return 0;
}
```

3. Unosi se prirodan broj n. Naci sumu njegovih cifara.

```

#include <iostream>
using namespace std;
int main()
{
int n,sum=0,m;
cout<<"Enter a number: ";
cin>>n;
while(n>0)
{
m=n%10;
sum=sum+m;
n=n/10;
}
cout<<"Sum is= "<<sum<<endl;
return 0;
}

```

4. Unose se dva broja a i b, naci  $a^b$ .

```

#include <iostream>
using namespace std;
int main()
{
int power;
float base, result = 1;
cin >> base >>power;
while (power != 0) {
    result *= base;
    power--;
}
cout << result;
return 0;
}

```

5. Naci prosjek elemenata niza. Prvo unijeti prirodan broj n (duzinu niza), zatim omoguciti da se elementi niza unose jedna po jedan.

```
#include <iostream>
using namespace std;
int main()
{
    int n;
    cin>>n;
    int arr[n];
    float sum = 0.0;
    for(int i = 0;i<n;i++)
        cin>>arr[i];
    for(int i = 0;i<n;i++)
        sum += arr[i];
    cout<<(float)(sum/(float)n);
    return 0;
}
```

6. Naci najmanji element niza.

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

int main(){
    int input[100], count, i, min;

    cout << "Enter Number of Elements in Array\n";
    cin >> count;

    cout << "Enter " << count << " numbers \n";

    // Read array elements
    for(i = 0; i < count; i++){
        cin >> input[i];
    }

    min = input[0];
    // search num in inputArray from index 0 to elementCount-1
    for(i = 0; i < count; i++){
        if(input[i] < min){
            min = input[i];
        }
    }

    cout << "Minimum Element\n" << min;

    return 0;
}
```