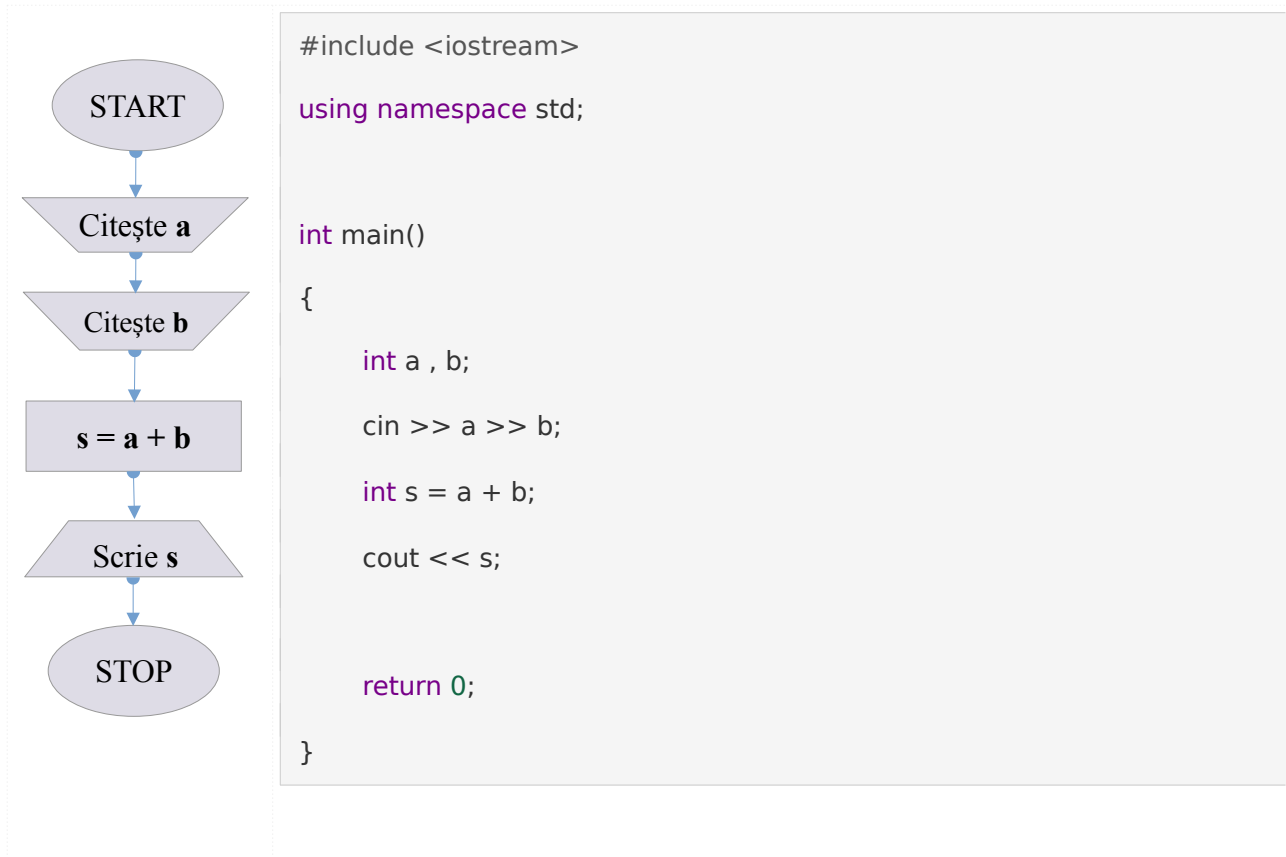
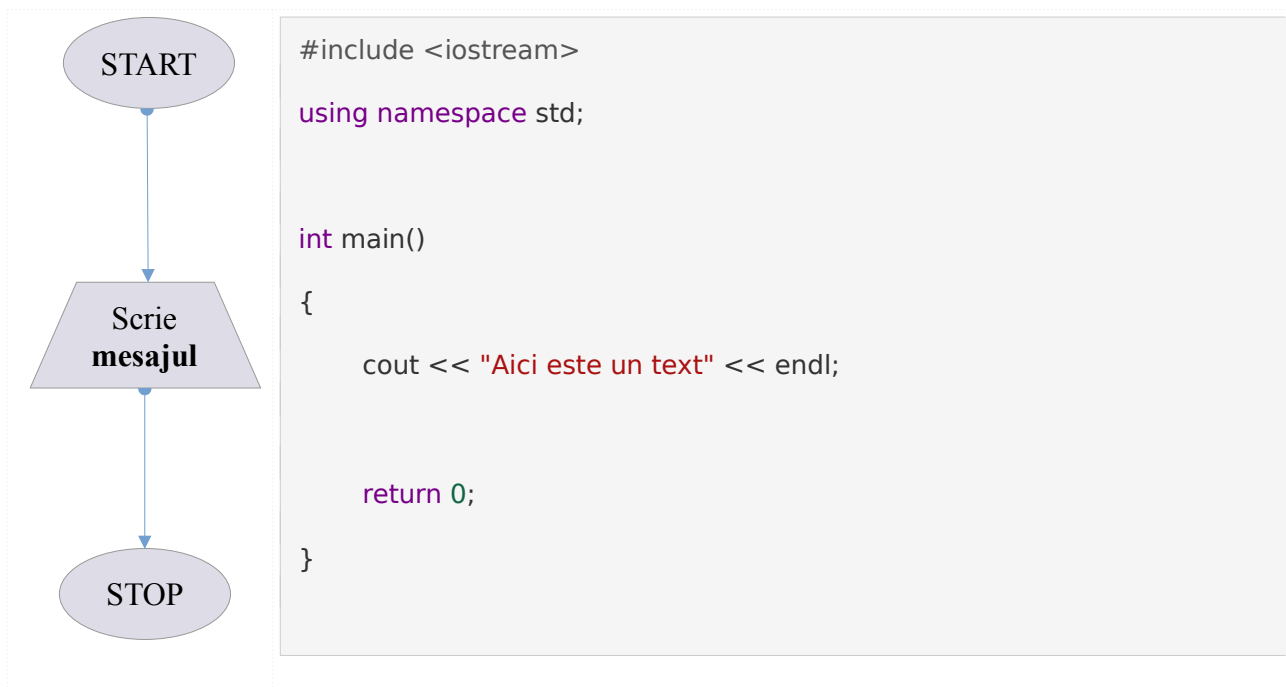


SCHEME LOGICE – COD PROGRAM C++ ALGORITMI ELEMENTARI

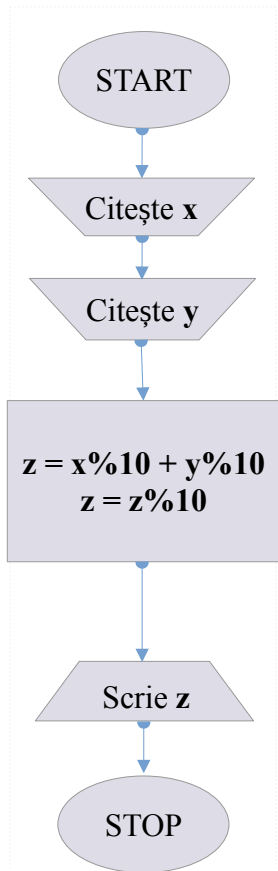
1. Suma a 2(două) variabile



2. Afișarea unui mesaj text



3. Calcularea ultimei cifre a sumei a două numere naturale



```
#include <iostream>
```

```
using namespace std;
```

```
int main()
```

```
{
```

```
int x,y,z;
```

```
cin>>x>>y;
```

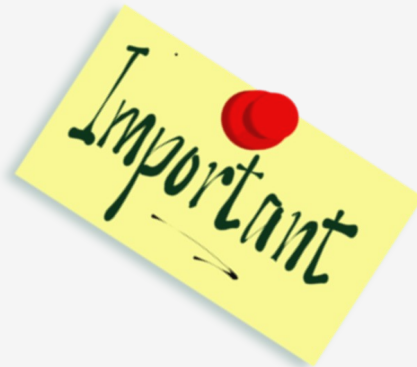
```
z=x%10+y%10;
```

```
z=z%10;
```

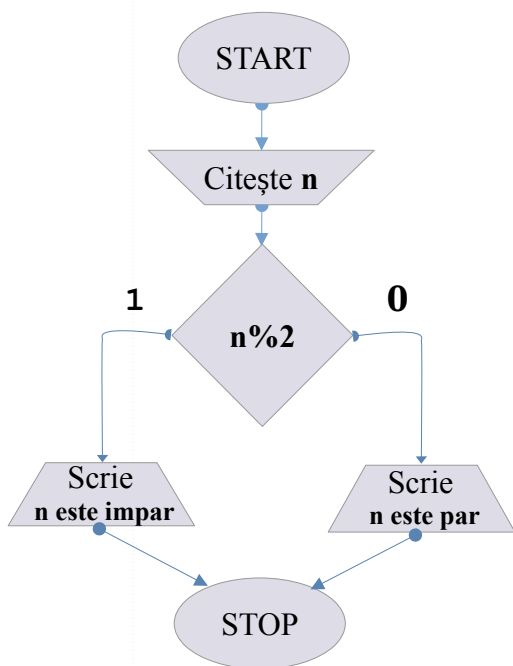
```
cout<<z;
```

```
return 0;
```

```
}
```



4. Program care verifică dacă un număr natural este par sau impar.



```
#include <iostream>
```

```
using namespace std;
```

```
int main(){
```

```
int n;
```

```
cin >> n;
```

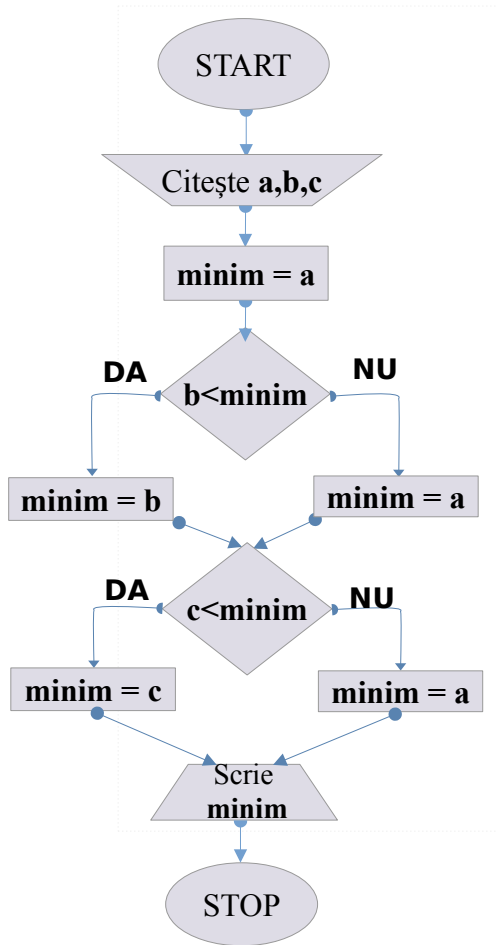
```
if(n%2){ cout << n << " este impar"; }
```

```
else{ cout << n << " este par"; }
```

```
return 0;
```

```
}
```

5. Program care determină minimul a trei numere întregi.



```

#include <iostream>
using namespace std;

int main(){
    int a,b,c, minim;
    cin >> a>> b >> c;
    minim = a;

    if(b<minim){ minim = b;}

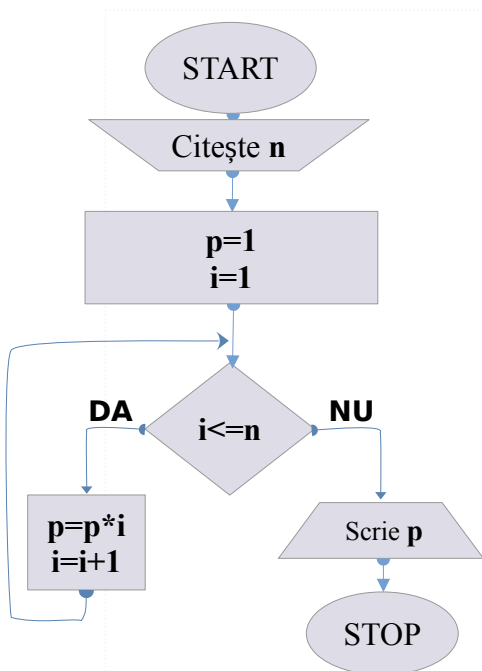
    if(c<minim){ minim = c;}

    cout << minim << endl;

    return 0;
}
    
```



6. Program ce calculează n! factorial (ex: n=4, atunci 4!=1*2*3*4)



```

#include <iostream>
using namespace std;

int main(){
    int n;
    cin >> n;

    long long int p = 1;
    for (int i = 1 ; i <= n ; i++){p *= i;}

    cout << p << endl;

    return 0;
}
    
```