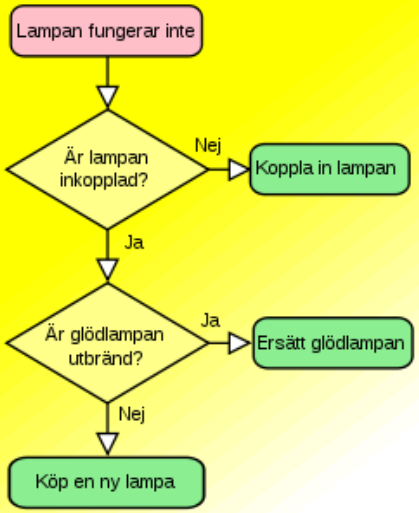


```c
#include <stdio.h>
int main()  {
    int n, i, sum = 0;
    do {
        printf("Enter a positive integer: ");
        scanf("%d",&n);
    }
    while (n <= 0);
    for(i=1; i <= n; ++i)  {
        sum += i;    // sum = sum+i;
    }
    printf("Sum = %d",sum);
    return 0;
}
```

#include<stdio.h>

PROJEKTOVANJE ALGORITAMA

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Konsultacije: četvrtak, kabinet 12, 16:00 – 18:00

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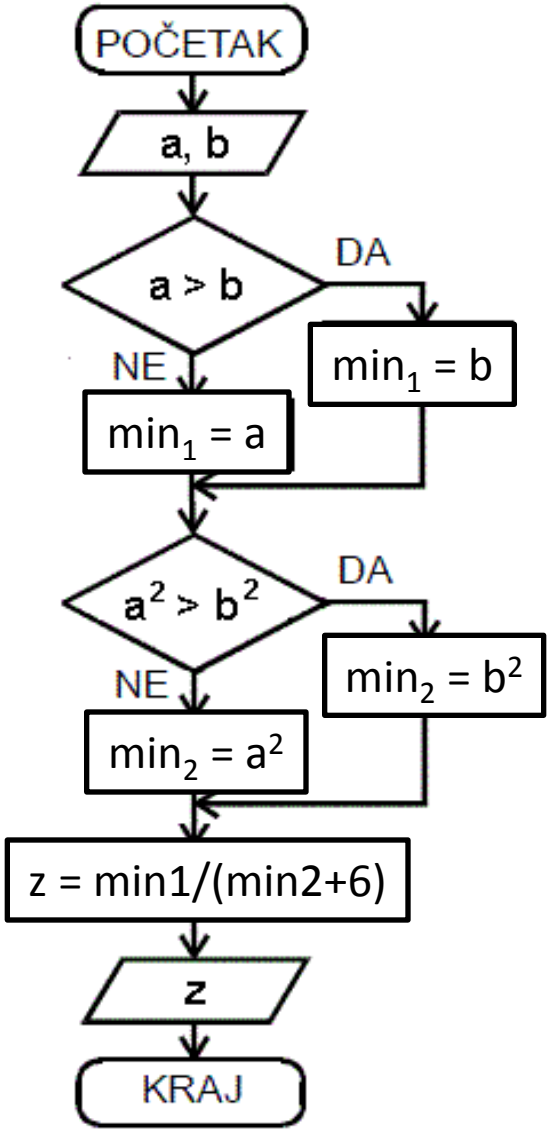
VISOKA POSLOVNA ŠKOLA STRUKOVNIH STUDIJA
NOVI SAD

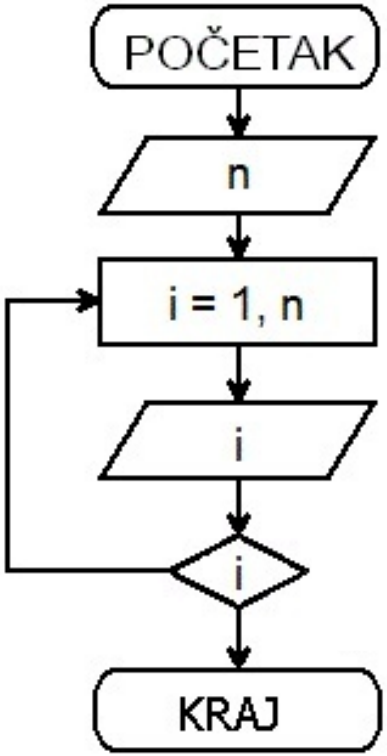
Zadatak 1. Za učitane ***a*** i ***b*** naći ***z*** po formuli:

$$z = \frac{\min(a, b)}{\min(a^2, b^2)+6}$$



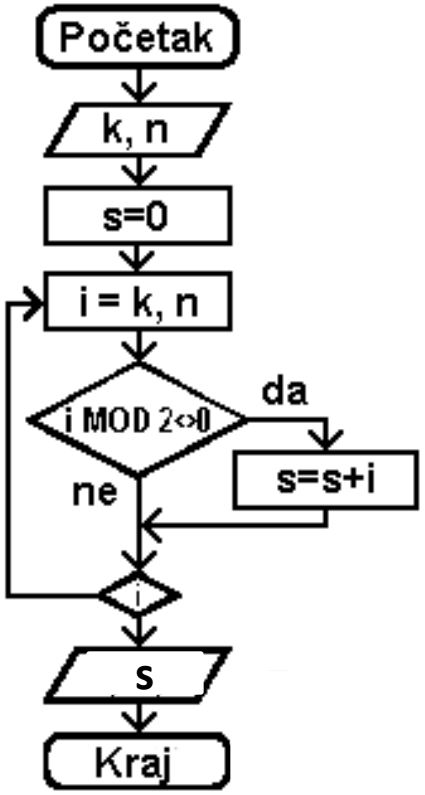

```c
#include <stdio.h>

main()
{
    float a,b,z,min1,min2;

    printf("Unesite broj A: ");
    scanf("%f",&a);

    printf("Unesite broj B: ");
    scanf("%f",&b);

    if (a>b) {
        min1=b;
    }else{
        min1=a;
    }

    if (a*a>b*b) {
        min2=b*b;
    }else{
        min2=a*a;
    }

    z=min1/(min2+6);

    printf("\n\tZ je: %.2f",z);
}
```

Zadatak 2. Ispisati prvih **n** prirodnih brojeva



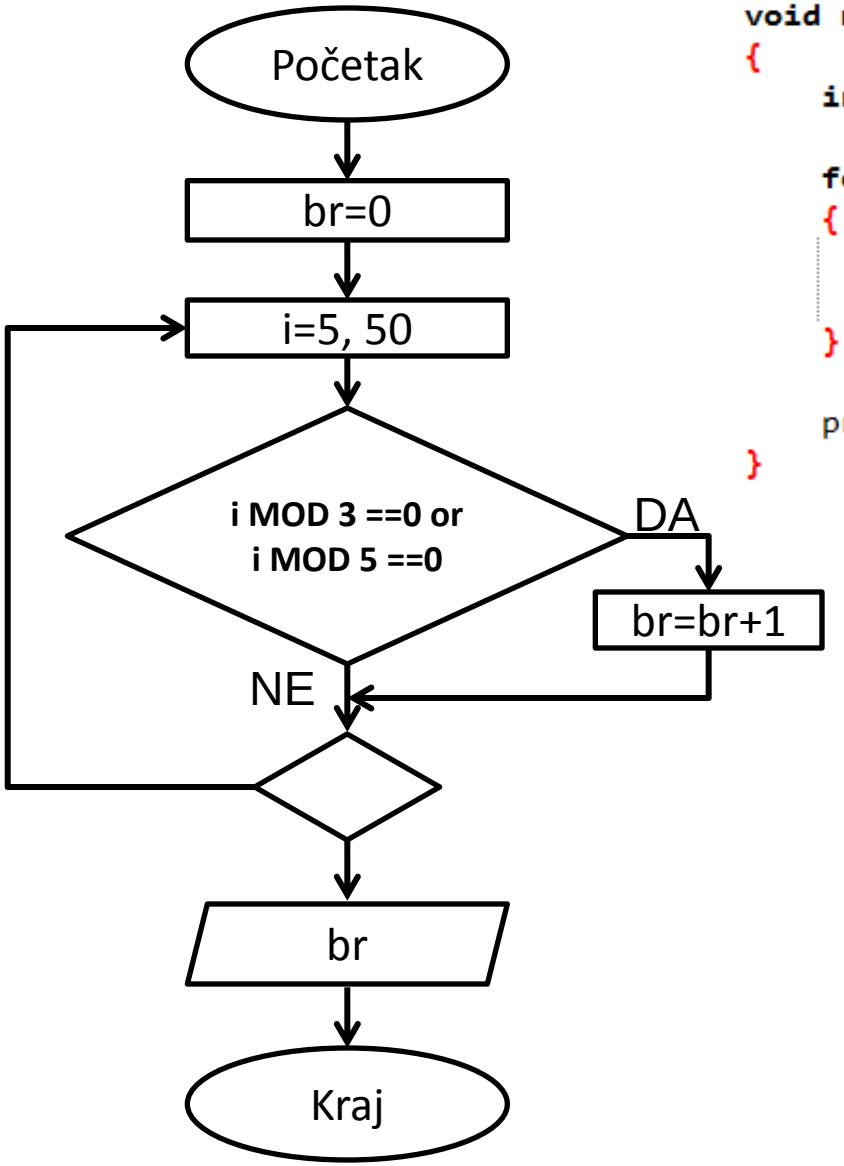

```c
#include <stdio.h>

void main()
{
    int i, n;

    printf("Unesite broj N: ");
    scanf("%d",&n);

    for(i=1; i<n; i++)
    {
        printf("\nBroj je %d", i);
    }
    return;
}
```

Zadatak 3. Izračunati sumu neparnih prirodnih brojeva od **k** do **n**



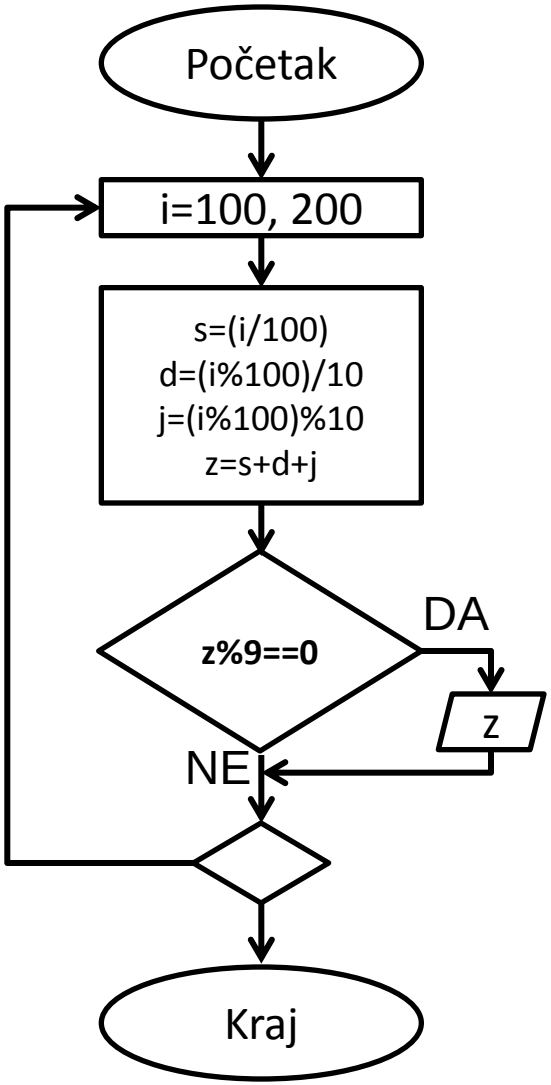

```c
#include <stdio.h>

void main()
{
    int i, k, n, s=0;

    printf("Unesite broj K: ");
    scanf("%d",&k);

    printf("Unesite broj N: ");
    scanf("%d",&n);

    for(i=k; i<n; i++)
    {
        if(i%2!=0){
            s=s+i;
        }
    }

    printf("\nSuma je %d", s);
}
```

Zadatak 4. Prebrojati koliko je brojeva od **5** do **50** koji su deljivi sa **3** ili sa **5**.



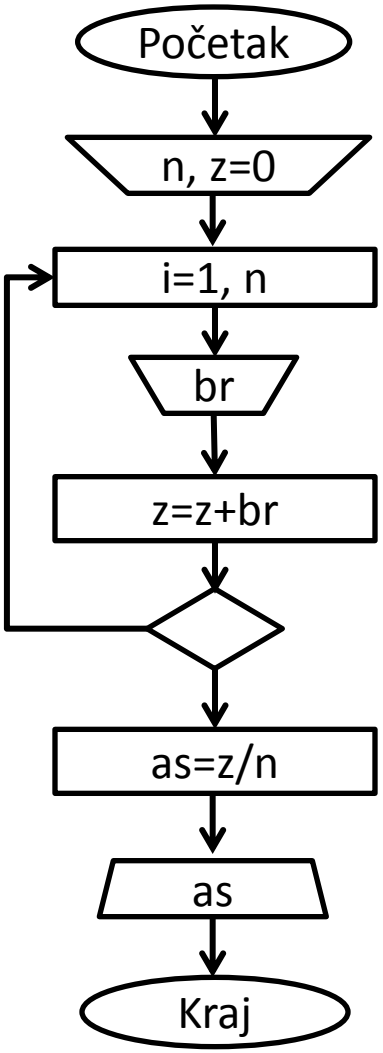

```c
#include <stdio.h>

void main()
{
    int i, br=0;

    for(i=5; i<=50; i++)
    {
        if(i%3==0 || i%5==0)
            br++;
    }

    printf("\nBrojeva deljivih sa 3 ili sa 5 ima: %d", br);
}
```

Zadatak 5. Ispisati sve brojeve od **100** do **200** čiji je zbir cifara deljiv s **9**.



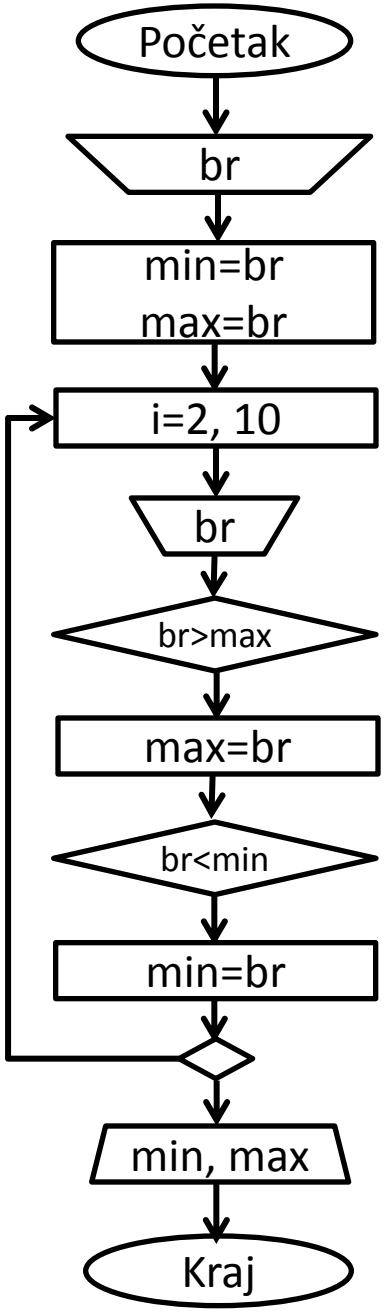

```c
#include <stdio.h>

void main()
{
  int i, s, d, j, z;

    for (i = 100; i<200; i++) {
      s = i / 100;
      d = (i % 100) / 10;
      j = (i % 100) % 10;

      z = s + d + j;

      if (z % 9 == 0)
      printf("\n Zbir cifara broja %d je deljiv sa 9", i);
  }
}
```

Zadatak 6. Učitati **n** brojeva. Izračunati i ispisati njihovu aritmetičku sredinu.




```c
#include <stdio.h>

void main()
{
    int i, n, br, z=0;
    float as;

    printf("\n Unesi n: ");
    scanf("%d", &n);

    for(i=1; i<=n; i++)
    {
        printf("\nUnesi %d. broj: ", i);
        scanf("%d", &br);

        z = z + br;
    }

    as = (float)z / n;
    printf("\nAritmeticka sredina je %.2f", as);
}
```

Zadatak 7. U programu omogućiti unos **10** brojeva. Ispisati **najmanji** i **najveći** od njih.




```c
#include <stdio.h>

void main ()
 {
    int i, br, min, max;

    printf ("\nUnesi 1. broj: ");
    scanf ("%d", &br);

    min = br;
    max = br;

    for (i=2; i<=10; i++)
    {
        printf ("\nUnesi %d. broj: ", i);
        scanf ("%d", &br);

        if (br > max)
            max = br;
        if (br < min)
            min = br;
    }
    printf ("\nNajmanji broj je %d", min);
    printf ("\nNajveci broj je %d", max);
}
```