

## Tema While\_loop

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```
public class Pr_1 {  
    public static void main (String [] args) {  
        int a =100;  
        double sum=0;  
        while (a>=2) {  
            sum=sum+a;  
            sum=Math.sqrt(sum);  
            a-=2;  
        }  
        System.out.println(sum);  
    }  
}
```

```
import java.util.Scanner;  
  
public class Pr_2{  
    public static void main (String [] args) {  
        Scanner a= new Scanner(System.in);  
        System.out.println("introduceti un nr:");  
        int b=a.nextInt();  
  
        int r=100;  
        int x=r;  
        int v=0;  
        int t=0;
```

```

        int e=0;

        while (x<=999) {

            r=x;

            int sum=0;

            v=r%10;

            r=r/10;

            t=r%10;

            r=r/10;

            e=r%10;

            sum=e+t+v;

            r=x;

            x++;

            if(sum==b)

                System.out.println(r);

        }

    }

}

```

```

import java.util.Scanner;

public class Pr_3 {

    public static void main(String[] args) {

        Scanner sc=new Scanner(System.in);

        System.out.println("introduceti un numar");

        int n=sc.nextInt();

        while (n>=10){

            int rest=0;

            int sum=0;

```

```
        while(n!=0){

            rest=n%10;

            sum+=rest;

            n=n/10;

        }

        System.out.println("suma este: "+sum);

        n=sum;

    }

}

}
```

```
public class Pr_4 {

    public static void main(String[] args) {

        int i=1;

        int a;

        while(i<100){

            a=i;

            a=a+(a/2)+(a/4)+1;

            if(a==100){

                System.out.println(i);}

            i=i+1;

        }}}

}
```