

Gyakorlat

1) Fibonacci

```
public class Fibonacci {

    public static void main(String[] args) {
        int a=1;
        int b=1;
        for(int i=0; i<20;i++)
        {
            System.out.println(b);
            int temp=a+b;
            b=a;
            a=temp;
        }
    }
}
```

2) Random

```
import java.io.BufferedReader;
import java.io.InputStreamReader;
import java.util.Random;

public class Main {

    public static void main(String[] args) {
        Random a=new Random(System.currentTimeMillis());
        int b=a.nextInt(100);
        InputStreamReader isr=new InputStreamReader(System.in);
        BufferedReader br=new BufferedReader(isr);
        String s;
        boolean gameover=false;
        System.out.println("Találd ki melyik számra gondoltam!");
        try{
            while( gameover==false)
            {
                s=br.readLine();
                int temp=Integer.parseInt(s);
                if(b<temp)
                    System.out.println("Kisebb");
                else if(b>temp)
                    System.out.println("Nagyobb");
                else
                {
                    System.out.println("Kitaláltad!");
                    gameover=true;
                }
            }
        }
        catch(Exception e)
        {
            e.printStackTrace();
        }
    }
}
```



```

        System.out.println(list[i].getName());
        break;
        case "cd":
            if(commands.length<2)
                throw new
ArrayIndexOutOfBoundsException();
            else if(commands[1]=="..")
                now=now.getParentFile();
            else
            {
                File temp = new File(now.getPath() +
separator + commands[1]);
                if(temp.exists())
                    now=temp;
                else
                    throw new
FileNotFoundException();
            }
            break;
        case "mkdir":
            if(commands.length<2)
                throw new
ArrayIndexOutOfBoundsException();
            else
            {
                File temp = new File(now.getPath() +
separator + commands[1]);
                if(temp.exists())
                    throw new
FileAlreadyExistsException(temp.getName());
                else
                    temp.mkdir();
            }
            break;
        case "exit":
            System.exit(0);
    }
}
}
catch(Exception e)
{
    e.printStackTrace();
}
}
}

```