**def esconde\_en\_archivo():**

**frase = str(input("Dame una frase: "))**

**file = open("secreto.txt", "w")**

**for i in range(len(frase)):**

**num = ord(frase[i])**

**if (num >= 97 and num <= 122) or (num >= 65 and num <= 90):**

**if num == 122:**

**file.write('a')**

**elif num == 90:**

**file.write('A')**

**else:**

**num = ord(frase[i]) + 1**

**letra = chr(num)**

**file.write(letra)**

**else:**

**file.write(frase[i])**

**file.close()**

**def esconde\_en\_archivo2(frase):**

**file = open("secreto.txt", "w")**

**for i in range(len(frase)):**

**if frase[i].isalpha() == True:**

**if frase[i] == 'z':**

**file.write('a')**

**elif frase[i] == 'Z':**

**file.write('A')**

**else:**

**num = ord(frase[i]) + 1**

**letra = chr(num)**

**file.write(letra)**

**else:**

**file.write(frase[i])**

**file.close()**

**def cuenta\_consonantes(nombre):**

**file = open(nombre, "r")**

**cont = 0**

**continua = True**

**while continua == True:**

**letra = file.read(1)**

**if not letra:**

**continua = False**

**else:**

**letra = letra.lower()**

**num = ord(letra)**

**if (num >= 97 and num <= 122) and (letra != 'a' and letra != 'e'**

**and letra != 'i' and letra != 'o' and letra != 'u'):**

**cont = cont + 1**

**file.close()**

**return cont**

**def cuenta\_consonantes2(nombre):**

**vocales = "aeiou"**

**file = open(nombre, "r")**

**cont = 0**

**continua = True**

**while continua == True:**

**letra = file.read(1)**

**if not letra:**

**continua = False**

**else:**

**letra = letra.lower()**

**if letra.isalpha() == True and letra not in vocales:**

**cont = cont + 1**

**file.close()**

**return cont**

**def cuenta\_digitos2(nombre):**

**digitos ="0123456789"**

**file = open(nombre, "r")**

**cont = 0**

**continua = True**

**while continua == True:**

**letra = file.read(1)**

**if not letra:**

**continua = False**

**else:**

**if letra in digitos:**

**cont = cont + 1**

**file.close()**

**return cont**

**def copia\_archivo(nombreO, nombreD):**

**fileO = open(nombreO, "r")**

**fileD = open(nombreD, "w+")**

**continua = True**

**while continua == True:**

**letra = fileO.read(1)**

**if not letra:**

**continua = False**

**else:**

**letra = letra.upper()**

**fileD.write(letra)**

**fileD.seek(0)**

**archD = fileD.read()**

**print(archD)**

**fileO.close()**

**fileD.close()**

**def captura\_alumnos(n):**

**file=open("alumnos.txt","w+")**

**for i in range(n):**

**print("\nAlumno %i" % (i+1))**

**nombre = str(input("Introduce nombre: "))**

**apellido1 = str(input("Introduce apellido 1: "))**

**apellido2 = str(input("Introduce apellido 2: "))**

**completo = nombre + ' ' + apellido1 + ' ' + apellido2 + '\n'**

**file.write(completo)**

**file.close()**

**def busca\_apellido(apellido):**

**file = open ("alumnos.txt", "r")**

**file.seek(0)**

**linea = file.readline()**

**continua = True**

**while continua == True:**

**if not linea:**

**continua = False**

**elif apellido in linea:**

**print("%s" % linea, end='')**

**linea = file.readline()**

**file.close()**

**def busca\_apellido2(apellido):**

**file = open ("alumnos.txt", "r")**

**file.seek(0)**

**linea = file.readline()**

**continua = True**

**while continua == True:**

**if linea == '':**

**continua = False**

**elif apellido in linea:**

**print("%s" % linea, end='')**

**linea = file.readline()**

**file.close()**

**def captura\_alumnos(n):**

**file = open("alumnos.txt", "w")**

**for i in range(n):**

**print()**

**nombre = input("Dame el nombre: ")**

**apellido1 = input("Dame tu primer apellido: ")**

**apellido2 = input("Dame tu segundo apellido: ")**

**nombre\_completo = nombre + " " + apellido1 + " " + apellido2**

**file.write(nombre\_completo)**

**file.write("\n")**

**file.close()**

**def cuenta\_consonantes(nombre):**

**file = open(nombre, "r")**

**cont = 0**

**continua = True**

**while continua == True:**

**caracter = file.read(1)**

**caracter = caracter.lower()**

**if not caracter:**

**continua = False**

**else:**

**num = ord(caracter)**

**if (num >= 98 and num <= 122) and (caracter != 'e'**

**and caracter != 'i' and caracter != 'o' and caracter != 'u'):**

**cont = cont + 1**

**print(cont, caracter, num)**

**file.close()**

**return cont**

**def cuenta\_consonantes2(nombre):**

**file = open(nombre, "r")**

**cont = 0**

**continua = True**

**vocales = "eiou"**

**while continua == True:**

**caracter = file.read(1)**

**caracter = caracter.lower()**

**if not caracter:**

**continua = False**

**else:**

**num = ord(caracter)**

**if (num >= 98 and num <= 122) and caracter not in vocales:**

**cont = cont + 1**

**file.close()**

**return cont**

**def cuenta\_consonantes3(nombre):**

**file = open(nombre, "r")**

**cont = 0**

**continua = True**

**vocales = "aeiouAEIOU"**

**while continua == True:**

**caracter = file.read(1)**

**if not caracter:**

**continua = False**

**elif caracter.isalpha() == True and caracter not in vocales:**

**cont = cont + 1**

**file.close()**

**return cont**

**def copia\_archivo (nombre\_o, nombre\_d):**

**fileO = open(nombre\_o, "r")**

**fileD = open(nombre\_d, "w")**

**continua = True**

**while continua == True:**

**caracter = fileO.read(1)**

**if caracter == '':**

**continua = False**

**else:**

**caracterM = caracter.upper()**

**fileD.write(caracterM)**

**fileO.close()**

**fileD.close()**

**def copia\_archivo2(nombre\_o, nombre\_d):**

**fileO = open(nombre\_o, "r")**

**fileD = open(nombre\_d, "w")**

**contenido = fileO.read()**

**contenidoM = contenido.upper()**

**fileD.write(contenidoM)**

**fileO.close()**

**fileD.close()**