LABORATORIJSKA VJEŽBA 2

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Kod:

```
import magic

data1 = magic.from_file("file1")
data2 = magic.from_file("file2.txt")
data3 = magic.from_file("file3")

print(data1)
print(data2)
print(data3)
```

```
Microsoft Word 2007+
ASCII text, with no line terminators
PDF document, version 1.5
```

HASH

Kod:

```
import hashlib
file1 = "test.txt"
data1 = open(file1, "r").read()
file2 = "test1.txt"
data2 = open(file2, "r").read()

file1_md5 = hashlib.md5(data1.encode('utf-8')).hexdigest()
file1_sha1 = hashlib.sha1(data1.encode('utf-8')).hexdigest()
file1_sha256 = hashlib.sha256(data1.encode('utf-8')).hexdigest()
file2_md5 = hashlib.md5(data2.encode('utf-8')).hexdigest()
file2_sha1 = hashlib.sha1(data2.encode('utf-8')).hexdigest()
file2_sha256 = hashlib.sha256(data2.encode('utf-8')).hexdigest()

print("test.txt md5: " + file1_md5)
print("test.txt sha1: " + file1_sha1)
print ("test.txt sha256: " + file1_sha256)
print("\n")
print("test1.txt md5: " + file2_md5)
print("test1.txt sha1: " + file2_sha1)
print ("test1.txt sha256: " + file2_sha256)
```

```
test.txt md5: 098f6bcd4621d373cade4e832627b4f6
test.txt sha1: a94a8fe5ccb19ba61c4c0873d391e987982fbbd3
test.txt sha256: 9f86d081884c7d659a2feaa0c55ad015a3bf4f1b2b0b822cd15d6c15b0f00a08


test1.txt md5: 0cbc6611f5540bd0809a388dc95a615b
test1.txt sha1: 640ab2bae07bedc4c163f679a746f7ab7fb5d1fa
test1.txt sha256: 532eaabd9574880dbf76b9b8cc00832c20a6ec113d682299550d7a6e0f345e25
```

Usporedba worda sa različitim ekstenzijama

Kod:

```
import hashlib
file1 = "test.docx"
data1 = open(file1, "r", encoding="latin-1").read()
file2 = "test.jpg"
data2 = open(file2, "r", encoding="latin-1").read()

file1_md5 = hashlib.md5(data1.encode('latin-1')).hexdigest()
file1_sha1 = hashlib.sha1(data1.encode('latin-1')).hexdigest()
file1_sha256 = hashlib.sha256(data1.encode('latin-1')).hexdigest()
file2_md5 = hashlib.md5(data2.encode('latin-1')).hexdigest()
file2_sha1 = hashlib.sha1(data2.encode('latin-1')).hexdigest()
file2_sha256 = hashlib.sha256(data2.encode('latin-1')).hexdigest()

print("test.docx md5: " + file1_md5)
print("test.docx sha1: " + file1_sha1)
print ("test.docx sha256: " + file1_sha256)
print("\n")
print("test.jpg md5: " + file2_md5)
print("test.jpg sha1: " + file2_sha1)
print ("test.jpg sha256: " + file2_sha256)
```

```
test.docx md5: a72a01a7bfed6353208683f398a47d02
test.docx sha1: 25123a10c691355c5db3f971d5b727cbbccebe60
test.docx sha256: 4b47c1e321f4439b6829c83f613f28efcdbb613ce3606654fa8da8d9ca0c1981


test.jpg md5: 0de338f2c9fb926a6f3cd6d5e8691297
test.jpg sha1: f13acfcbaebe23a8d48ba0619386f4b031e4750d
test.jpg sha256: 60ea7f2293da48f497a87c35182dae86bb15c2e23d892a3a148cd70228ba4470
```

File type u folderu Dokaz

Kod:

```
import magic

data1 = magic.from_file("Dokaz/Secret_file_11.txt")
data2 = magic.from_file("Dokaz/Secret_file_12.pdf")
```

```
data3 = magic.from_file("Dokaz/Secret_file_22.png")
data4 = magic.from_file("Dokaz/Secret_file_48.docx")
data5 = magic.from_file("Dokaz/Secret_file_49.pdf")
data6 = magic.from_file("Dokaz/Secret_file_52.jpg")
data7 = magic.from_file("Dokaz/Secret_file_72.docx")
data8 = magic.from_file("Dokaz/Secret_file_92.jpg")


print("Secret_file_11.txt:\t" + data1)
print("Secret_file_12.pdf:\t" + data2)
print("Secret_file_22.png:\t" + data3)
print("Secret_file_48.docx:\t" + data4)
print("Secret_file_49.pdf:\t" + data5)
print("Secret_file_52.jpg:\t" + data6)
print("Secret_file_72.docx:\t" + data7)
print("Secret_file_92.jpg:\t" + data8)
```

```
Secret_file_11.txt:     UTF-8 Unicode text, with no line terminators
Secret_file_12.pdf:     PDF document, version 1.3
Secret_file_22.png:     PDF document, version 1.3
Secret_file_48.docx:    Microsoft Word 2007+
Secret_file_49.pdf:     PDF document, version 1.3
Secret_file_52.jpg:     PDF document, version 1.3
Secret_file_72.docx:    Microsoft Word 2007+
Secret_file_92.jpg:     JPEG image data, JFIF standard 1.02, aspect ratio, density 1x1, segment length 16, baseline, pre
cision 8, 2000x2000, frames 3
```