SRP Lab 4

- U prvom dijelu ovih vježbi smo dovršili zadatak iz prošlih vježbi
- ▼ Svatko je imao personalizirani file s izazovom, a zadatak je bio utvrditi koja je slika iz filea autentična

#KOD KOJI SAM KORISTIO

```
from inspect import signature
```

from cryptography.hazmat.primitives import serialization

from cryptography.hazmat.backends import default backend

from cryptography.hazmat.primitives.asymmetric import padding

from cryptography.hazmat.primitives import hashes

from cryptography.exceptions import InvalidSignature

SRP Lab 4

```
message,
          padding.PSS(
             mgf=padding.MGF1(hashes.SHA256()),
             salt_length=padding.PSS.MAX_LENGTH
          ),
          hashes.SHA256()
      )
   except InvalidSignature:
      return False
   else:
      return True
public key = load public key()
print(public key)
with open("image 1.png","rb") as file:
   image1 = file.read()
with open("image_1.sig","rb") as file:
   signature1 = file.read()
is authentic = verify signature rsa(signature1, image1)
print(f'Image1 {"Is" if is authentic else "Is not"} authentic')
with open("image 2.png","rb") as file:
   image2 = file.read()
with open("image_2.sig","rb") as fie:
   signature2 = file.read()
```

SRP Lab 4

is_authentic = verify_signature_rsa(signature2, image2)
print(f'Image2 {"Is" if is_authentic else "Is not"} authentic')

- U drugom dijelu vježbi smo započeli s lozinkama
- ▼ Samo smo napisali kod koji predstavlja sporu hash funkciju

SRP Lab 4