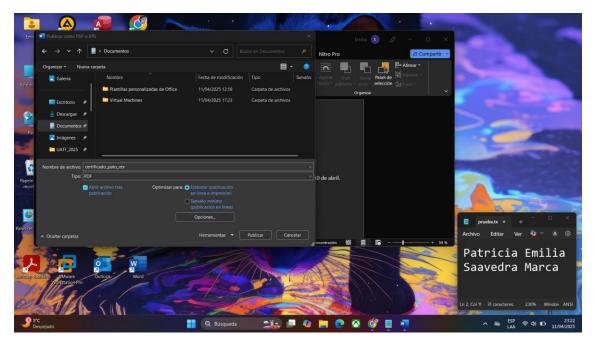
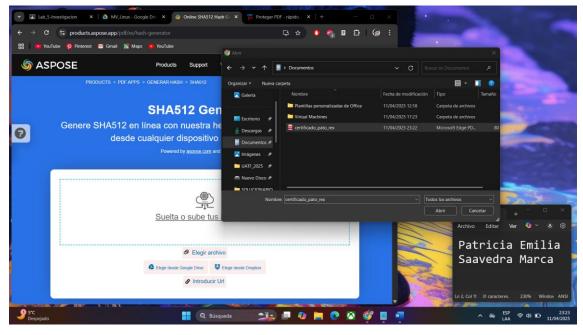
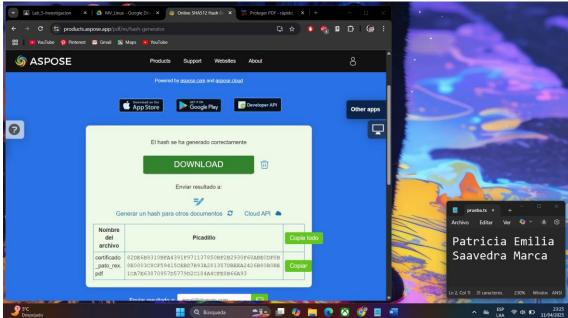
Universidad Autónoma Tomás Frías Ingeniería de Sistemas	Nota
SIS 737	
SEGURIDAD DE SISTEMAS	
DOCENTE: ING. ALEXANDER DURÁN	
NOMBRE: UNIV. SAAVEDRA MARCA PATRICIA EMILIA	RU: 109457
LABORATORIO 5: Evaluación, parte investigativa.	

CREAMOS UN CERTIFICADO



GENERAMOS EL HASH





GUARDAMOS EL HASH

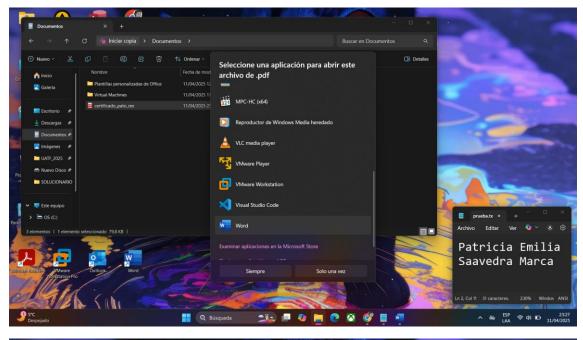
{

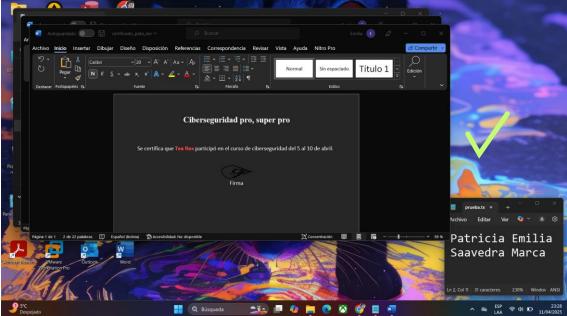
"certificado_pato_rex.pdf" :

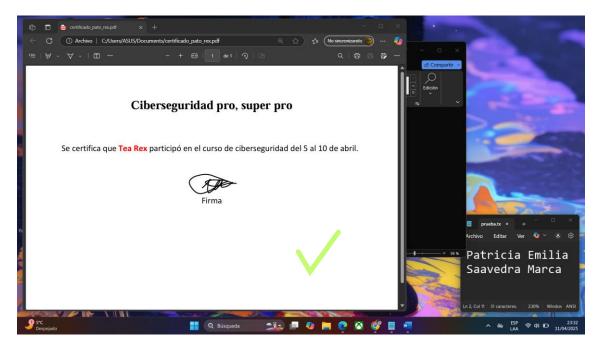
"82DE6B8310BFA4391F971137850BF2B2930F68ABE0DF8B8E0003C8CF59415CEBD7B93A2813 57DBEEA2426B80B0BE1CA7E63870957D5779D2C184A4CFE8B66A93"

}

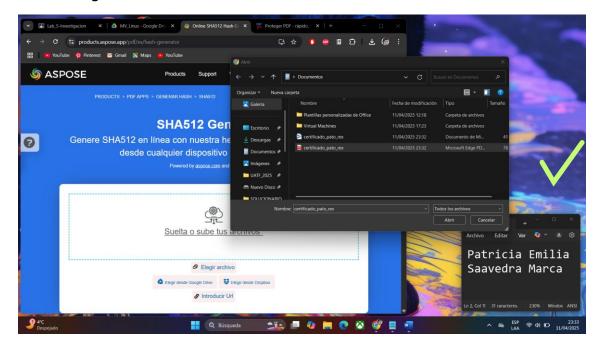
MODICAMOS EL ARCHIVO

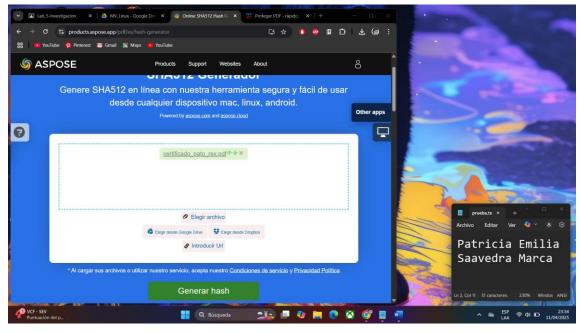


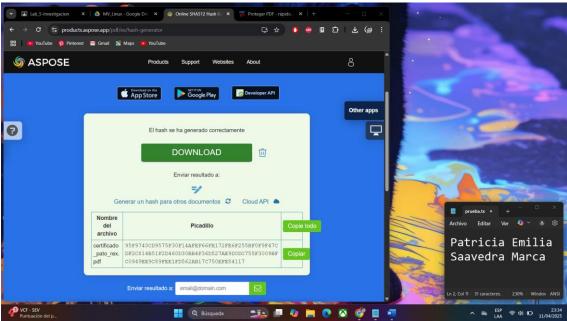




Volvemos a generar el hash







"certificado_pato_rex.pdf":

"95F9740CD9575F30F14AFEF66FE172FE6F255BF0F9F47CDF2C814B51F2D460D30BB4F36D52
7AE9D0DC755F3009BFC0949EE9C89FEE1FD562AB17C750EFE84117"

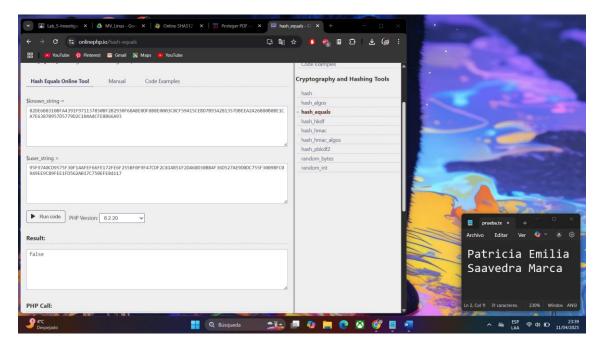
}

{

Comparamos hash,

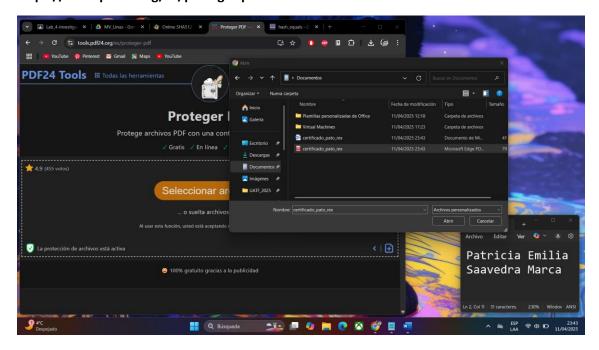
En https://onlinephp.io/hash-equals

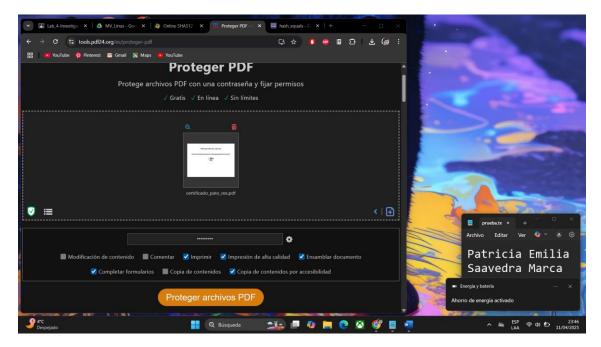




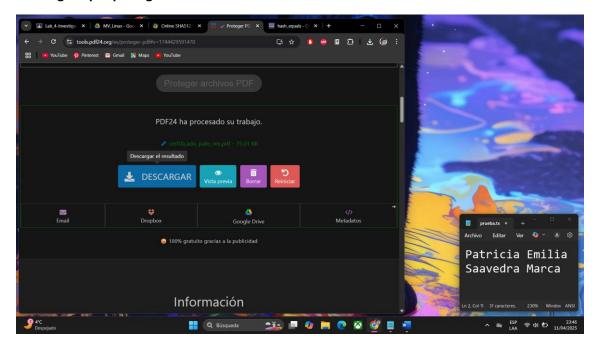
Proteger el archivo contra edición y cambiar permisos en:

https://tools.pdf24.org/es/proteger-pdf

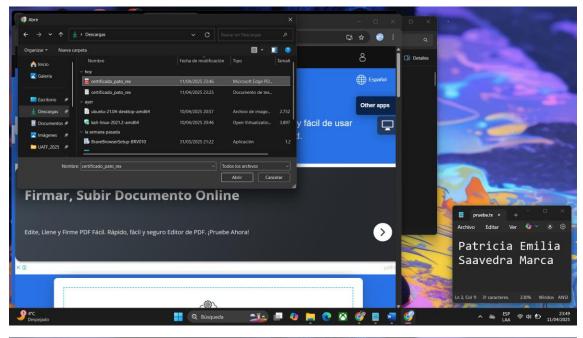


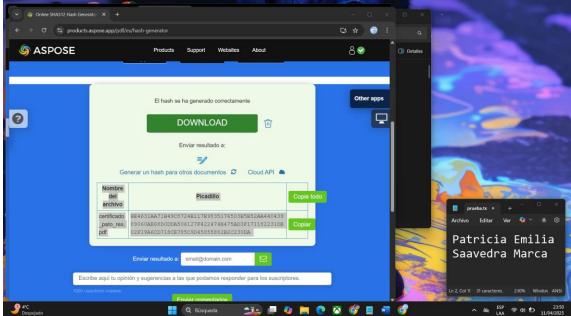


Descarga el pdf protegido



Genera el hash de este pdf para asegurar su integridad





Copiamos el hash

{

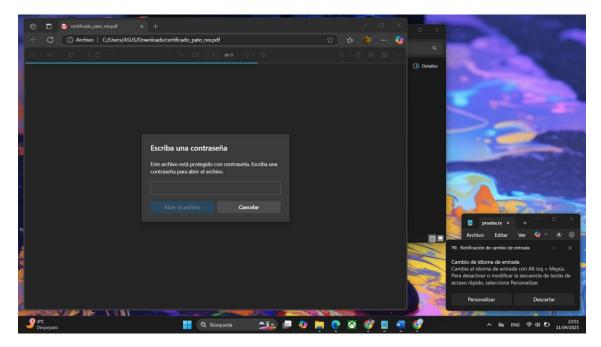
"certificado_pato_rex.pdf":

"BE4631AA71B49C8724E117E9835176503B5B52AA44043989060AE68D0DDA506127F422474 B475AD3F171182231DB02F19A6CD718CE785C9D45855882B2C230DA"



Entramos al archive para verificar su uso





Y podemos verificar los permisos

