

TUTORIAL 10

Tutorial Time	Student ID	Name

ACTIVITIES

Q1. Writing a PHP program to display output as below.

Encryption is a simple and effective way of hiding crucial information with another layer of protection. Write a PHP file to implement different encryption algorithms to compare as output below.

Output:

```

Password: 123123
Encrypted Password: 4297f44b13955235245b2497399d7a93
Password: 123124
Encrypted Password: 42ed37b390f90c05bded56edb191e152

Password: 123124
Encrypted Password MD5: 42ed37b390f90c05bded56edb191e152
Encrypted Password SHA1: 42c231120f22dfd0f0ee3446cdcc5fb5dfb02855
Encrypted hash from crypt() $1$YEhVn0B3$hOh7eIAY8a3NaalzF0eoX/
Encrypted hash from crypt() with salt : tehrLO.Q09p.s

```

Note: Your string might be different, especially for crypt() and crypt() with salt. Also you can use different password, if you want to.

Q2. Which algorithm would you use in your program out of the ones you tested in Q1? Why?

Q3. Combination of hash algorithms

Statement: If we combine different hash functions, it makes the message digest (hash) stronger and securer. For example, md5(sh1(password)) or sha1(str_rot13(password + salt)).

Your task: What do you think about the statement above? Do you agree with it or not? Please research this topic and write a paragraph or two about you have learned with your conclusion.

Q4. Research 2-3 web site design principles and compile your own based on what you have studied. Explain the principles.