Sub Code & Name: 18CSS202J – COMPUTER COMMUNICATION

Experiment No	6
Title of Experiment	a) Router service password encryption
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Date of Experiment	12/03/21

Mark Split Up

S.No	Description	Maximum Mark	Mark Obtained
1	Oral Viva / Online Quiz	5	
2	Execution	10	
	Total	**15**	

Staff Signature with date

AIM:

PROCEDURE:

Step 1: Open cisco packet tracer and create a new file.

Step 2: Add all the components – PC and Router.

Step 3: Click Router-> Physical to add the physical device before that switch off then connect device and after that switch on.

Step 5: Now click on Console wire(blue) attach from PC(FastEthernet0) to Router(Console).

Step 4: Now Click on Router->CLI(Command Line Interface) to write the command for establishing a network connection.

Step 5: It will display "Continue with configuration dialog? [yes/no]:".Give "no" and Press enter which move on to user mode.

Step 7: Type "en" and press enter. Now you get into the Privileged Mode,

Step 8: Type "conf t" and press enter to get into global configuration mode.

Step 9: Now to configure the router type "line console 0".

Step 10: It will change to router line and assign password type "password cisco".

Step 11: Now type "login" and type "end" to move out of config.

Step 12: Type the command "sh running" will switch on to sh running-config now click tab till it shows end in the CLI screen.

Step 13: Type "conf t" and press enter to get into global configuration mode. And type "service password" to config password then type "service password-encryption" and type "exit" to move out of router.

Step 14: Type the command "sh running" will switch on to sh running-config now click tab till it shows end in the CLI screen.

Step 15: Now type "startup config" to start the encryption and then type "sh run" to service the encryption.

Router Password Encryption

Screenshot:
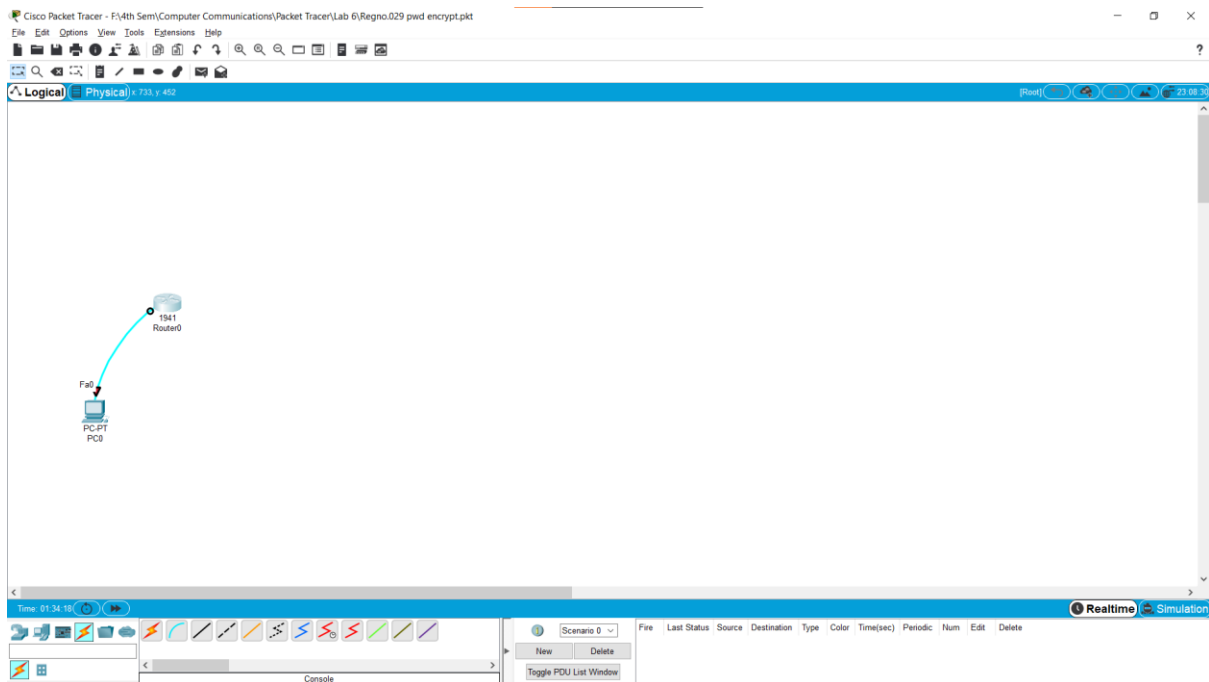
CLI code:

```
Router>en
Router#conf t
Enter configuration commands, one per line.  End with CNTL/Z.
Router(config)#line console 0

Router(config-line)#password cisco
Router(config-line)#login
Router(config-line)#end
Router#
%SYS-5-CONFIG_I: Configured from console by console

Router#sh running
Router#sh running-config
Building configuration...

Current configuration : 694 bytes
!
version 15.1
no service timestamps log datetime msec
no service timestamps debug datetime msec
no service password-encryption
!
hostname Router
!
!
!
!
!
!
```

```
end

Router#conf t
Enter configuration commands, one per line.  End with CNTL/Z.
Router(config)#service
% Incomplete command.
Router(config)#service password
Router(config)#service password-encryption
Router(config)#exit
Router#
%SYS-5-CONFIG_I: Configured from console by console

Router#sh running
Building configuration...

Current configuration : 700 bytes
!
version 15.1
no service timestamps log datetime msec
no service timestamps debug datetime msec
service password-encryption
!
hostname Router
!

Router#startup config
             ^
% Invalid input detected at '^' marker.

Router#sh run
Building configuration...

Current configuration : 700 bytes
!
version 15.1
no service timestamps log datetime msec
no service timestamps debug datetime msec
service password-encryption
!
hostname Router
!
!
!
!
!
!
```

RESULT: Connection was made successfully.