```
[root@b7813260c369 Linux-Unit-Project]# ls
project_script.sh  README.md  test.txt
[root@b7813260c369 Linux-Unit-Project]# cat test.txt
Hello
[root@b7813260c369 Linux-Unit-Project]# ./project_script.sh
================================
File Encryption/Decryption:
================================
1. Encrypt a file
2. Decrypt a file
3. Exit
================================
Enter your choice: 1
--------------------------------
Enter the input filename: test.txt
Enter the output filename for encrypted file: Etest.txt
enter aes-256-cbc encryption password:
Verifying - enter aes-256-cbc encryption password:
*** WARNING : deprecated key derivation used.
Using -iter or -pbkdf2 would be better.
Press enter to continue...
================================
File Encryption/Decryption:
================================
1. Encrypt a file
2. Decrypt a file
3. Exit
================================
Enter your choice: 3
--------------------------------
Exiting...
[root@b7813260c369 Linux-Unit-Project]# ls
Etest.txt  project_script.sh  README.md  test.txt
[root@b7813260c369 Linux-Unit-Project]# cat Etest.txt
Salted__`?:??2???s???E
```

```
[root@b7813260c369 Linux-Unit-Project]# ls
Etest.txt  project_script.sh  README.md  test.txt
[root@b7813260c369 Linux-Unit-Project]# cat Etest.txt
Salted__`?:??2???s???E
??W???[root@b7813260c369 Linux-Unit-Project]# ./project_script.sh
================================
File Encryption/Decryption:
================================
1. Encrypt a file
2. Decrypt a file
3. Exit
================================
Enter your choice: 2
--------------------------------
Enter the input filename (encrypted): Etest.txt
Enter the output filename for decrypted file: OutEtest.txt
enter aes-256-cbc decryption password:
*** WARNING : deprecated key derivation used.
Using -iter or -pbkdf2 would be better.
Press enter to continue...
================================
File Encryption/Decryption:
================================
1. Encrypt a file
2. Decrypt a file
3. Exit
================================
Enter your choice: 3
--------------------------------
Exiting...
[root@b7813260c369 Linux-Unit-Project]# ls
Etest.txt  OutEtest.txt  project_script.sh  README.md  test.txt
[root@b7813260c369 Linux-Unit-Project]# cat OutEtest.txt
Hello
[root@b7813260c369 Linux-Unit-Project]#
```

```
#i!/bin/bash

encrypt_file() {
    read -p "Enter the input filename: " input_file
    read -p "Enter the output filename for encrypted file: " encrypted_file

    openssl enc -aes-256-cbc -salt -in "$input_file" -out "$encrypted_file"

}

decrypt_file() {
    read -p "Enter the input filename (encrypted): " encrypted_file
    read -p "Enter the output filename for decrypted file: " decrypted_file

    openssl enc -aes-256-cbc -d -in "$encrypted_file" -out "$decrypted_file"

}
```

```
while true;
do
    echo "================================="
    echo "File Encryption/Decryption:"
    echo "================================="
    echo "1. Encrypt a file"
    echo "2. Decrypt a file"
    echo "3. Exit"
    echo "================================="

    read -p "Enter your choice: " choice
    echo "---------------------------------"

    if [ $choice -eq 1 ];
    then
            encrypt_file
"project_script.sh" 51L, 1334C                                                1,1           Top
```

```
while true;
do
    echo "================================="
    echo "File Encryption/Decryption:"
    echo "================================="
    echo "1. Encrypt a file"
    echo "2. Decrypt a file"
    echo "3. Exit"
    echo "================================="

    read -p "Enter your choice: " choice
    echo "---------------------------------"

    if [ $choice -eq 1 ];
    then
            encrypt_file
            read -p "Press enter to continue..."
    elif [ $choice -eq 2 ];
    then
            decrypt_file
            read -p "Press enter to continue..."

    elif [ $choice -eq 3 ];
    then
            echo "Exiting..."
            exit 0

     else
            echo "Invalid choice. Please select a valid option."
            read -p "Press enter to continue..."

   fi
done
                                                                51,1          Bot
```