

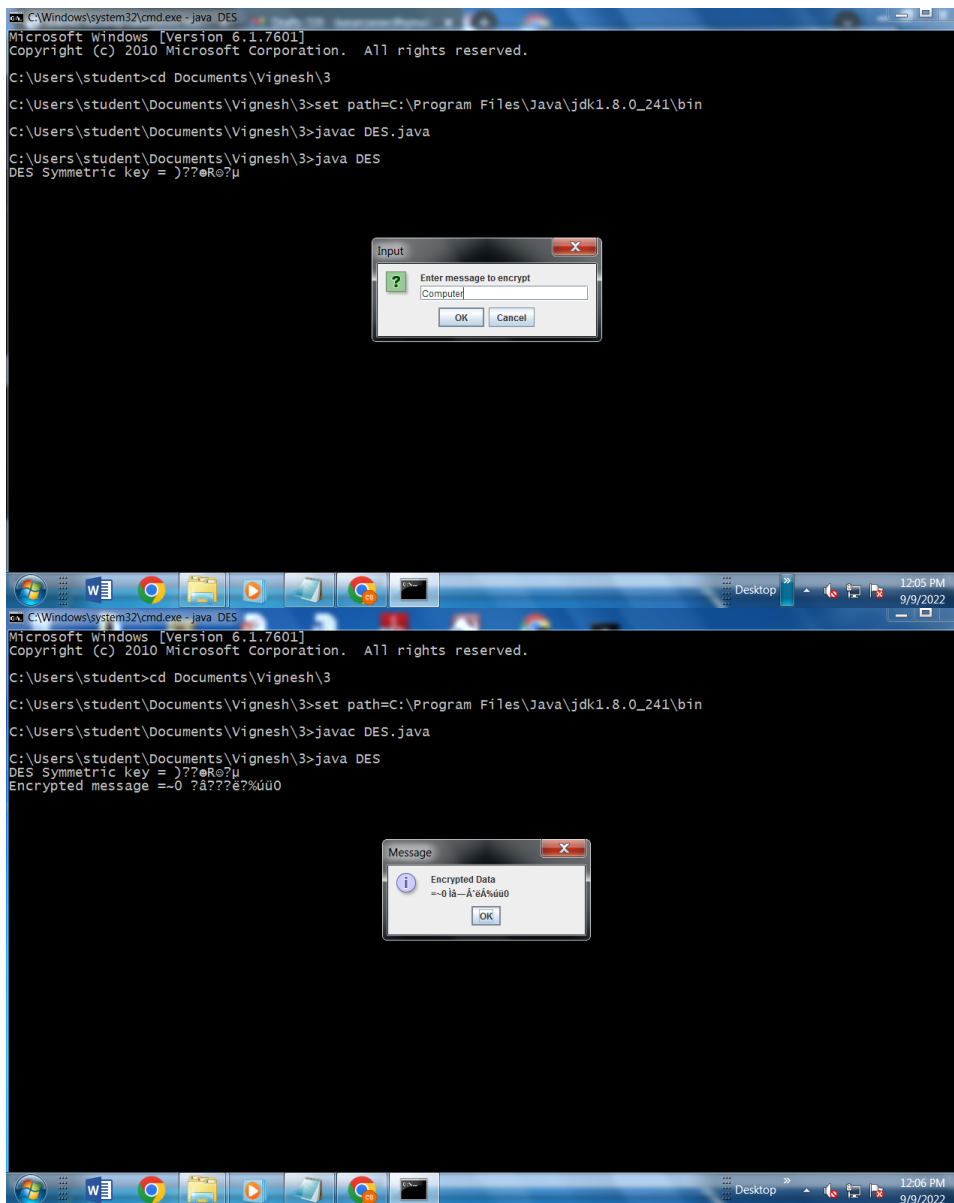
OUTPUT:

Message Encryption Using DES Algorithm

DES Symmetric key : uz/^_!0c>

Encrypted message : j#^\$€€?\e#->

Decrypted message : computer



The image displays two screenshots of a Windows command prompt window, showing the execution of a Java program for DES encryption and decryption.

Top Screenshot:

```
C:\Windows\system32\cmd.exe - java DES
Microsoft Windows [Version 6.1.7601]
Copyright (c) 2010 Microsoft Corporation. All rights reserved.

C:\Users\student>cd Documents\Vignesh\3
C:\Users\student\Documents\Vignesh\3>set path=C:\Program Files\Java\jdk1.8.0_241\bin
C:\Users\student\Documents\Vignesh\3>javac DES.java
C:\Users\student\Documents\Vignesh\3>java DES
DES Symmetric key = j??eRe7u
```

An "Input" dialog box is shown, prompting "Enter message to encrypt". The user has entered "Computer".

Bottom Screenshot:

```
C:\Windows\system32\cmd.exe - java DES
Microsoft Windows [Version 6.1.7601]
Copyright (c) 2010 Microsoft Corporation. All rights reserved.

C:\Users\student>cd Documents\Vignesh\3
C:\Users\student\Documents\Vignesh\3>set path=C:\Program Files\Java\jdk1.8.0_241\bin
C:\Users\student\Documents\Vignesh\3>javac DES.java
C:\Users\student\Documents\Vignesh\3>java DES
DES Symmetric key = j??eRe7u
Encrypted message =-0 7a???e?%úú0
```

A "Message" dialog box is shown, displaying "Encrypted Data" as "-0 7a???e?%úú0".

```
C:\Windows\system32\cmd.exe - java DES
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C:\Users\student>cd Documents\Vignesh\3
C:\Users\student\Documents\Vignesh\3>set path=C:\Program Files\Java\jdk1.8.0_241\bin
C:\Users\student\Documents\Vignesh\3>javac DES.java
C:\Users\student\Documents\Vignesh\3>java DES
DES Symmetric key = )??eRe?u
Encrypted message =~0 ?ã???ë?%úú0
Decrypted message Computer
```

Message

Decrypted Data
Computer

OK

12:07 PM
9/9/2022

```
C:\Windows\system32\cmd.exe
Microsoft Windows [Version 6.1.7601]
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C:\Users\student>cd Documents\Vignesh\3
C:\Users\student\Documents\Vignesh\3>set path=C:\Program Files\Java\jdk1.8.0_241\bin
C:\Users\student\Documents\Vignesh\3>javac DES.java
C:\Users\student\Documents\Vignesh\3>java DES
DES Symmetric key = )??eRe?u
Encrypted message =~0 ?ã???ë?%úú0
Decrypted message Computer

C:\Users\student\Documents\Vignesh\3>
```