

Exp.No: I	Implement Symmetric Key Algorithms.
Date:	

**Aim:**

To implement Symmetric key algorithms using java code.

**Algorithm:**

**Step 1:** Create a class to create symmetric key.

**Step 2:** In the secret key function, Create a new instance of secure random class.

**Step 3:** Pass the String to key generator and initialize with 256 bits.

**Step 4:** After running the program, encoded symmetric key will be displayed.

**Program:**

```
import java.security.SecureRandom;
import javax.crypto.KeyGenerator;
import javax.crypto.SecretKey;
import javax.xml.bind.DatatypeConverter;

public class symmetric
{
    public static final String AES= "AES";

    public static SecretKey createAESKey()
        throws Exception
    {
        SecureRandom securerandom= new SecureRandom();
        KeyGenerator key-generator= KeyGenerator.getInstance(AES);
        key-generator.init(256, securerandom);
        SecretKey key = key-generator.generateKey();
        return key;
    }

    public static void main(String args[])
        throws Exception
    {
        SecretKey Symmetrickey= createAESKey();
        System.out.println("Output");
        System.out.print("The Symmetric Key is: "+
        DatatypeConverter.printHexBinary(Symmetrickey.getEncoded()));
    }
}
```

# Lab Manual For Ciampas Security Guide To Network Security Fund

**Robert R. Redfield**



## **Lab Manual For Ciampas Security Guide To Network Security Fund:**

## **Lab Manual For Ciampas Security Guide To Network Security Fund** Book Review: Unveiling the Magic of Language

In a digital era where connections and knowledge reign supreme, the enchanting power of language has become more apparent than ever. Its ability to stir emotions, provoke thought, and instigate transformation is actually remarkable. This extraordinary book, aptly titled "**Lab Manual For Ciampas Security Guide To Network Security Fund**," compiled by a highly acclaimed author, immerses readers in a captivating exploration of the significance of language and its profound impact on our existence. Throughout this critique, we will delve into the book's central themes, evaluate its unique writing style, and assess its overall influence on its readership.

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