10. Python program implementation asymmetric encryption using rsa python library.

```
import rsa
def generate keys():
  return rsa.newkeys(512) # Generate 512-bit RSA keys
def encrypt message(message, public key):
  return rsa.encrypt(message.encode('utf-8'), public_key)
def decrypt message(encrypted message, private key):
  return rsa.decrypt(encrypted message, private key).decode('utf-8')
if __name__ == "__main__":
  # Generate RSA keys
  public key, private key = generate keys()
  # Message to be encrypted
  message = input("Enter the message to be Encrypted: ")
  # Encrypt the message using the public key
  encrypted_message = encrypt_message(message, public_key)
  print(f"Encrypted Message: {encrypted message}")
  # Decrypt the encrypted message using the private key
  decrypted message = decrypt message(encrypted message, private key)
  print(f"Decrypted Message: {decrypted message}")
```

Output:

Enter the message to be Encrypted: Hello World!

Decrypted Message: Hello World!