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Course: B.Sc (hons.) Computer Science, III Year, VI Semester

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Practical III : Information Security

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PRACTICAL 3

```
def encrypt(text, key):
    encrypted_text = ""
      for char in text:
      if ord(char) + key > 122:
       encrypted_text += chr(ord(char) + key - 26)
     else:
       encrypted_text += chr(ord(char) + key)
  print("Encrypted String is:", encrypted_text)
def decrypt(text, key):
decrypted_text = ""
for char in text:
   if ord(char) - key < 97:
     decrypted_text += chr(ord(char) - key + 26)
   else:
     decrypted_text += chr(ord(char) - key)
 print("Key is:", key, "\nDecrypted String is:", decrypted_text)
if __name__ == "__main__":
text = input("Enter String:\n")
key = int(input("Enter Key:\n"))
 encrypt(text, key)
decrypt(text, key)
print("Attack starts:")
   for i in range(26):
    decrypt(text, i)
```

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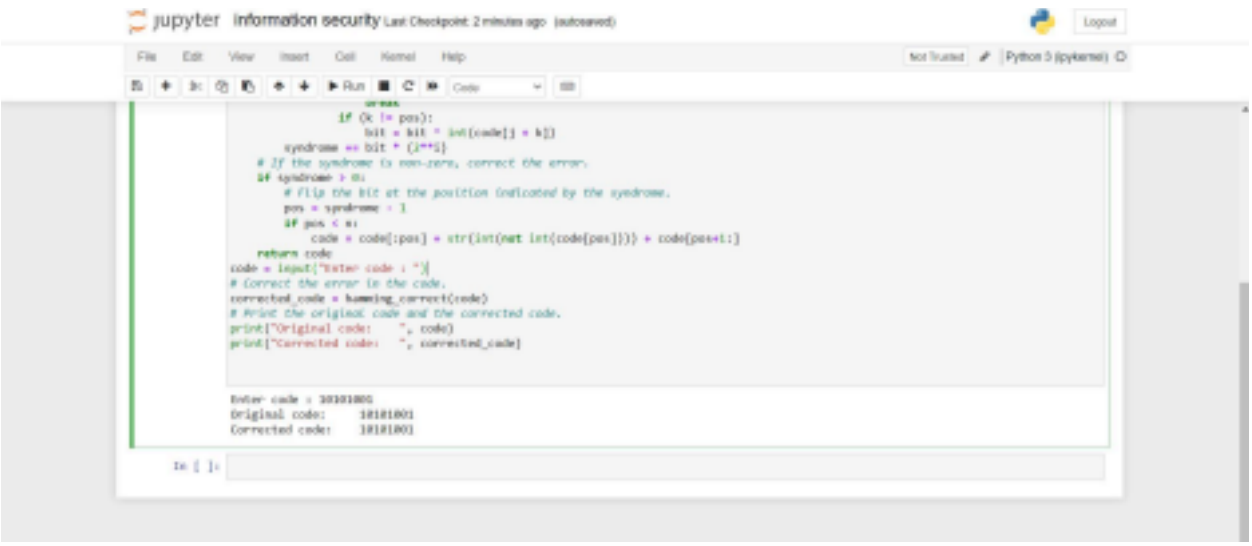

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