```
Name - Divyanshu Semual
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 Course - BCA 6th Sem Sec A
 Subject - Information Security and Cyber Laws
    def generate Key (string, key):
(3)
         key = list (key)
         if len (string ) = = len (key):
            vuturn ( kay )
             for i in range ( 1en (string) - len (key)):
         else:
                  key. append (key [i% len (key)])
          outwin (" ". join (key))
   # enoughtion
       ciphen Text (storing, key):
   det
          aphentext = []
          for i in range (len (storing)):
             x = (and (string [i])+ and (key (i))) % 26
             xt= and ('A')
             cipher-text. append (chr (x))
             vieturn ("". Join (cipher-text))
     # decryption
         original Text (cipher-text, key):
     def
           orig-text = []
           for i in range (len(upher-text));
            x = ( and ( cipher - text [i]) - and ( try [i] + 26) 3/026
            x += and ('A')
             orig-text. append (chor(x))
           suturn ("". Join (orig-text))
```

if _ name _ = = 11 _ main = 11; (3)Storing = " CRYPTOGRAPHY" keyword = "MONARCHY" key = generate key (storing, keyword) ciphen-text = ciphen Text (storing, key) porint ("Ciphen Text: ", ciphen - text) print ("Original Text:", original Text (cipher-text, key))