```
Nome - Devansh Rawhom
  ROUND > 1121040
  course + BCA 'A'
03
   det generate key (string, key):
           key = Olst ( key )
        It len (string) = = len (key):
               return ( key )
                tor i in rang (len (string) - len (key)):
                 Key append ( key (i / len ( key ) ])
                     return (1 11. join (key))
           # this function return the
           # enoughted text generated
              with the help of the key
            det eigher Text Cstring, key):
                   cibher-text = []
                  tori in range (len (string))
                       x = (ord (string [i]) + ord (key [i]))/.26
                          X + = \text{ord}(A')
                        cipher-text. append (chr (x))
                          return (" " join (cipha - text))
                  # This function decry jots the
                 # encrypted text and return
                     the original text.
                 det original Text c cibber text, key):
                      onig-text = ()
```

```
tor i in range (len (cipher-text)):
       x = (ord Capher-text (i)) - ord (key (i)) +26).1.26
          X + = \text{ord}(n)
          origatext ouppend (chr (x))
             return (" ". join (ong-text))
           # Driver code
            if -- name -- == "-- main --":
                 String = " cryptography"
                 kyword = "monarchy"
                  Key = generate key (string, keyword)
                  oilpher text = cipher text (string, licy)
                     pointf(" cipherty t:1, aipher-text)
                     brint ( "original ) Decrypted text?"
                      original Text ( eigher -text, key ))
```