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BScit 6th

OTP

```
# include<stdio.h>
# include (string.h)
# include <ctype.h>
~~int removerepeate int size inta~~.
 main()
 {
 int, i, J, len1, len2 Len2 , numstr [100], numkey [100],
  numcipher [100];
 Char str 100 Key[100] cipher[100]
 Printf (Enter a string text to encrypt \n");
  gets (str);
 for (i=0,j=0; i< strlen ( str); i++)
  {
  if (~~str~~ key {i) ! = ' ')
 {
 key ~~str~~ (j) = toupper (~~str~~ key (i));
   j++;
  }
  }
 ~~str~~ key A(j) = '\0';
 for (i = 0; i< strlen (str); i++)
  {
 numstr {i] = str(i) - 'A';
```

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```
for(i=0 ;i<strlen;i++)
    {
    numcipher [i] =numstr[i] + num key[i]
     }
    for i=0 i<strlen (str) ;i++)
      {
      if (num cipher [i] >=25)
       {
       numcypher[i] = numcypher[i] -26
       }
     }
     printf ("one time Pad");
     for i=0 i< strlen (str);i++)
         {
         printf ("%c" (numcipher[i]+'A'));
         }
         printf("\n");
          }
```

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