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subject: Information security and cyber laws.

Que 2.

```
#include <stdio.h>
#include <string.h>
#include <ctype.h>
int main()
{
  int i, j, len1, 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[i]!=' ')
 {
  str[j] = toupper(str[i]);
  j++;
 }
}
  str[j] = '\0';
 for(i=0; i<strlen(str); i++)
 { numstr[i] = str[i] - 'A';
 }
```

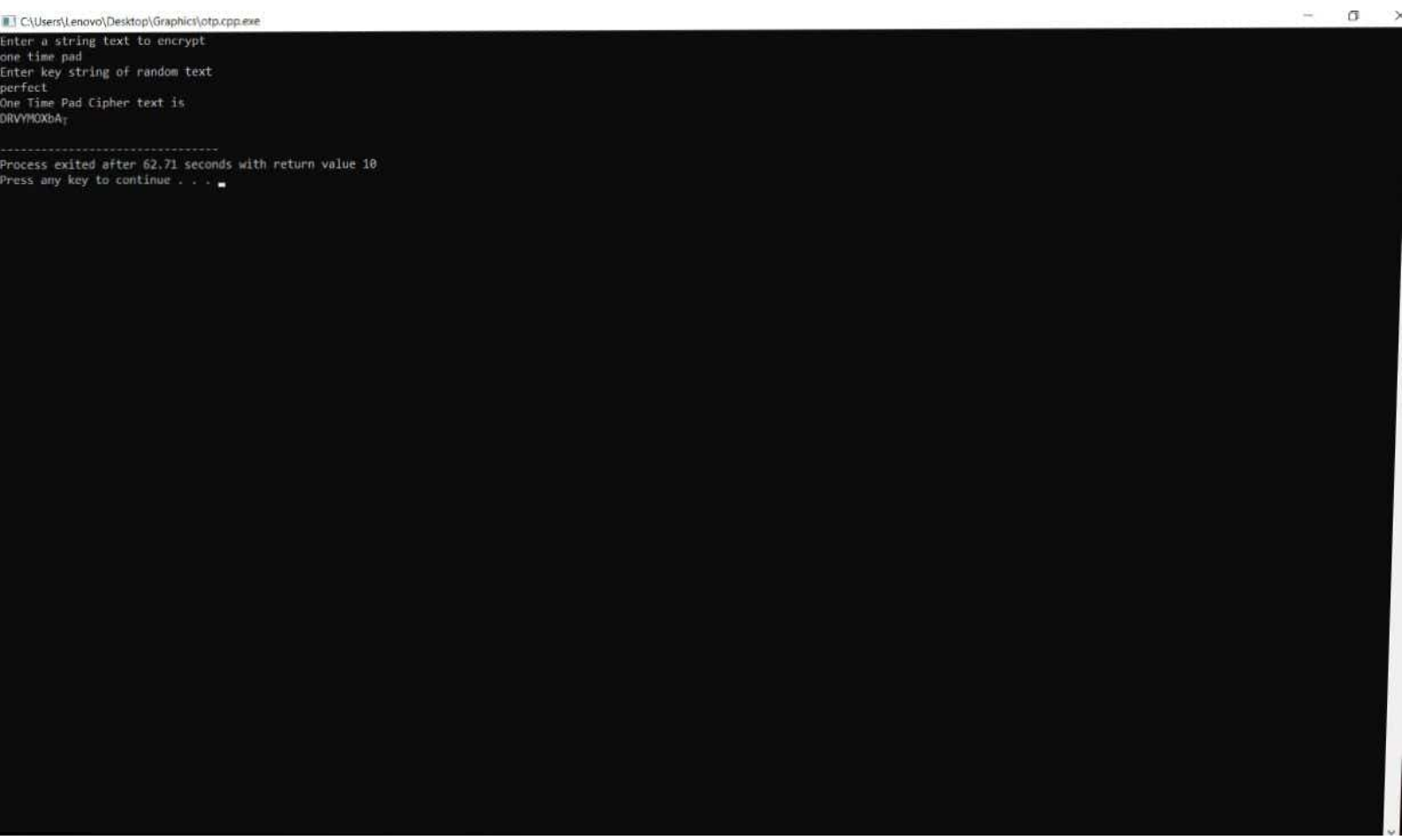
Arshi

```
printf ("Enter key string of random
        text \n");
    gets (key);
for (i=0, j=0; i< strlen (key); i++)
  {
   if (key[i]!=' ')
   {
    key [j] = toupper (key [i]);
    j++;
   }
  }
    key [j] = '\0';
   for (i=0 ; i< strlen (key); i++)
   {
    numkey [i] = key [i] - 'A';
   }
     for (i=0; i< strlen (str); i++)
     {
      numcipher [i] = numstr [i] + numkey [i];
     }
     for (i=0; i< strlen (str); i++)
     { if (numcipher [i] > 25)
      {
       numcipher [i] = numcipher [i] - 26;
      }
     }
```

Drishi

```
printf ("one Time pad cipher text is \n");
for (i= 0; i< strlen (str); i++)
{
printf ("%c", (numcipher [i] + 'A'));
}
printf ("\n");
}
```

Drishi


C:\Users\Lenovo\Desktop\Graphics\otp.cpp.exe
Enter a string text to encrypt
one time pad
Enter key string of random text
perfect
One Time Pad Cipher text is
DRVYMOXbA

Process exited after 62.71 seconds with return value 10
Press any key to continue . . .