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UNIVERSITY ROLL No = 1022752

CLASS ROLL No = 42

COURSE = BSc. IT

SEM = 6th Sem

PAPER NAME = INFORMATION SECURITY & CYBER LAWS PRACTICAL

PAPER CODE =

Ques 2 WAP to implement One Time Pad (OTP) method with plain text "one time pad" with key "perfect".

⇒

```
#include <stdio.h>
#include <string.h>
#include <ctype.h>
main()
{
int i, j, len1, len2, numstr[100], numkey[100],
 numcipher[100];
Char str[100], Key[100], ciphes[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++;
}
```

Signature

```
}
str[j] = "\0";
for (i=0; i<strlen(str); i++)
{
numstr[i] = str[i] - 'A';
}
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';
}
```

Bhawna
signature

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COURSE = BSc. IT (6th sem)

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```
for (i=0 ; i<strlen (str); i++)
{
numciphes [i] = numstr [i] + numkey [i];
}
for (i=0 ; i<strlen (str) ; i++)
{
if (numciphes [i] <85)
{
numciphes [i] = numciphes [i]-26;
}
}
Printf("one time pad ciphes text is \n");
 for (i=0 ; i<strlen (str) ; i++)
{
Printf ("%c", (numciphes [i] + 'A'));
}
Printf ("\n");

}
```

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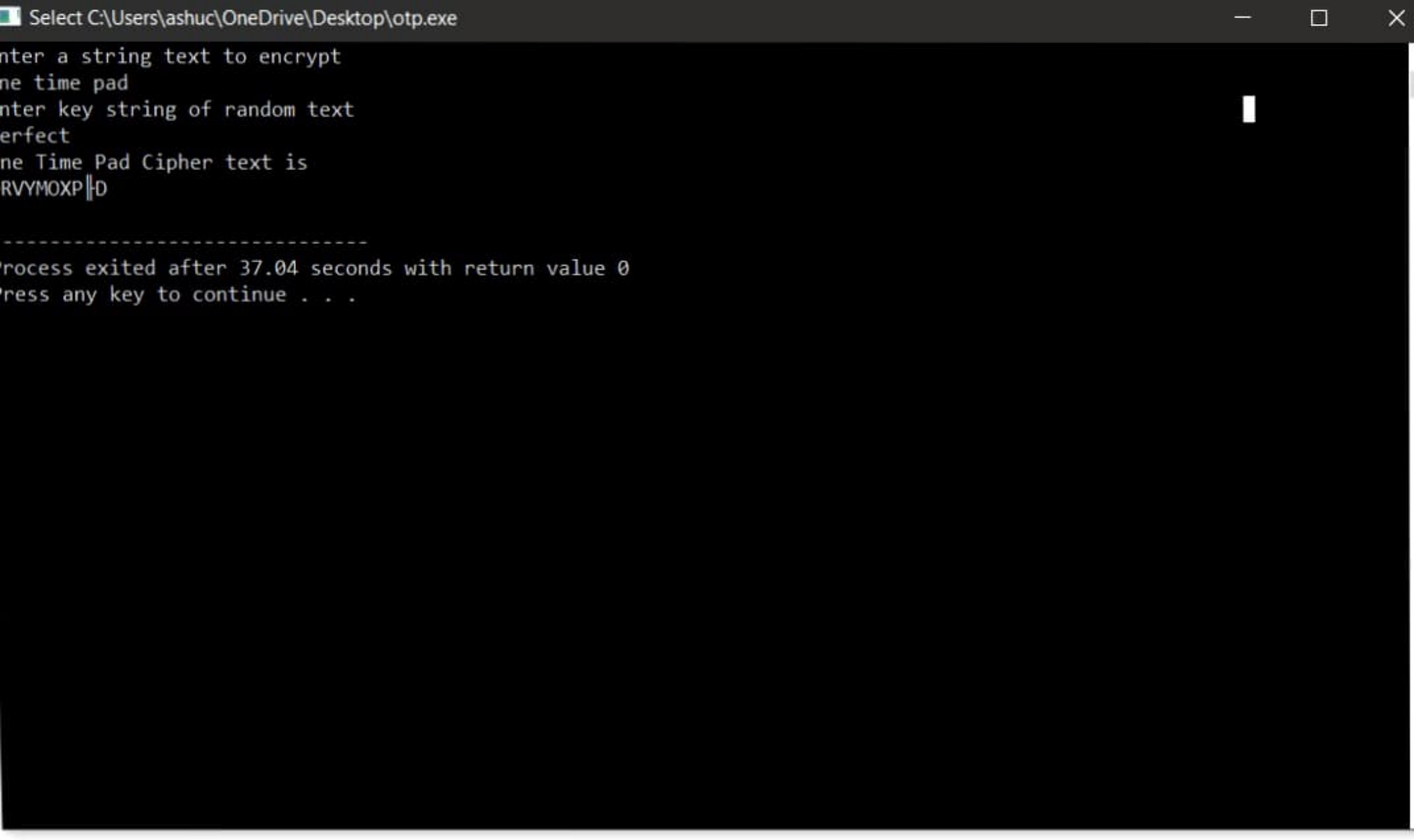
Signature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