

Category: Cryptography

Challenge: It's basic

Write-up:

Encrypted:

```
<+ohc@UX=l@j#Z#ARloqDfQt/+Cj]&&@<-WFFDiaQAU&;>ASu!rA8,po+Cf>
,ATJu+Ec5e;@3BH!ARlp*DjiP.D/FE5Bk(RnAKYE%@VKq)@<-W9@VK^gEd8
d<@<>p#Dg#]4+E2@4AU%p1FD5W*+Cf>,D09`1@psInDf0V=E,ol=De!^%F!,
R<@<<W9ATD?)A7]grB5V9k+EVNE@psCuGp%$CCj@-lDj*d"F(c\4@;]_#@:s-
oBQ\0#DCom?@:WeUCh4`2AU&;L+B3#mF(HJ(Df?6DJ<ThFD5Z2+E2@>FD
kZ-Ci^_9@<iu6DJXS@.@V$Z@/RiF9+ELt'AKWC0DIal6Blh$&DBO%7@<<W
#G&M)*+Ceu'FCAm$+@/pn8P(%7Df0Z;DepP+De*F#.4cTMDIal,@<iu9AT;j,E
b-A0BI7K)@WH$gCNCV,F<G()Ecb`(DBNe)G\M#;D'3P1FCfK9@;L!9+CT.u+D
kP4+Du+>+DkP$DKK<$DBO.:Blmp-E+*6f/g+,,F`T)VDf0B:+EV.:+?;;%E,oZ1F
CAWpAKX9;6V0il@q]:k@:OCjEcW@3Eb-@;F(&Zl+s:uG+E_a:+EVNE@rH7.A
U,D/@<>p1+B3#c+D,FuB-:o0+B)9-<(;4.0MY,F6<-ul76sjTI/
```

First of all, the name of the challenge is giving us a huge clue, It's BASic, the first that comes up to mind is Base encode-decode schemes. If we can look into the frequency of the characters and distributions, one can easily see that it is Base85 encoded text.

Decrypted:

The basic need for a binary-to-text encoding comes from a need to communicate arbitrary binary data over preexisting communications protocols that were designed to carry only English language human-readable text. Those communication protocols may only be 7-bit safe (and within that avoid certain ASCII control codes), and may require line breaks at certain maximum intervals, and may not maintain whitespace. Thus, only the 95 printable ASCII characters are "safe" to use to convey data. The flag is SUCTF{LONG_BUT_EASY}

Flag is: SUCTF{LONG_BUT_EASY}