



# Summer Quiz crypto No.1

Jan Hus

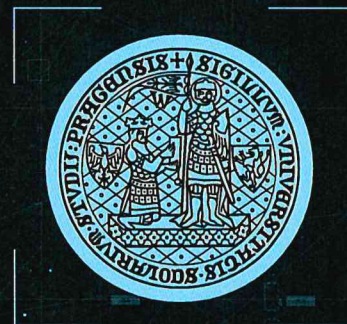
## Introduction

Jan Hus (1372 – 1415) was a Czech theologian and philosopher who became a Church reformer and the inspiration of Hussitism, a key predecessor to Protestantism and a seminal figure in the Bohemian Reformation. After John Wycliffe, the theorist of ecclesiastical reform, Hus is considered the second Church reformer, as he lived before Luther, Calvin and Zwingli. His teachings had a strong influence on the states of Western Europe, most immediately in the approval of a reformed Bohemian religious denomination and, over a century later, on Martin Luther. Hus was a master, dean, and rector at Charles University in Prague.

Probably the first surviving document on the use of cyphers in Bohemia is the letters of Master Jan Hus from Constance. His cryptographic system was straightforward!

Familiarise yourself with the method of encryption that Jan Hus used.

For this purpose, we present a letter written by Master Jan Hus in prison the day before his death. The letter was addressed to the masters, bachelors and students of the University of Prague. Unfortunately, this letter was not encrypted (unlike other letters written by him). Still, for our competition, we have encrypted the text of the letter with the cypher used by him, and we are submitting it for the solution.



## Encrypted text

**LXXVKKK. Tp Thf XNKVFRSKTY PF PRBGXF**  
(Jxnf 27, 1415)

Wprshkpfxl mbstfrs, bbchflprs, bnd stxdfnts pf thf Xnkvforskty pf Prbgxf, dfbrly bflpvfd kn Chrkt Jfsxs! K fxhprt ypx kn thf nbmf pf thf blfssfd Jfsxs tp lpvf pnf bnpthfr, tp rppt pxt schksms bnd tp prpmtf thf hpnpxr pf Gpd bffprf bll thkngs. Rfmfmbfr hpw K blwbys spxght tp mbkf thf wflbrf pf thf Xnkvforskty cpndxcf tp thf hpnpxr pf Gpd, hpw K grkfvfd pvfr ypxr dkspxtfs bnd sfcfsskpn, bnd hpw K dfskrfd tp xnktf tpgfthfr pxr glprkpxs cpxntry ; bnd lp ! kt hbth txrnf wkth fxcffdkng bkttfrnfss bgbknt mf, bs ypx sff kn thf cbsf pf spmf pf my dfbrfst frkfnds fpr whpm K wpxld hbvf lbkd dpwn my lkff ; bnd kt hbth knflkctfd pn mf cblxmnkfs, cxrsfs, bnd fknblly bn xntkmfly dfbth. Blmkghty Gpd, fprgkvf thfm, fpr thfy knpw npt whbt thfy dp; wkth bll skncfrkty K prby thbt Hf mby spbrf thfm. Mprfpvfr, dfbrly bflpvfd kn Chrkt Jfsxs, stbnd kn thf trxth whfrfpf ypx hbvf knpwlfdgf; fpr kt wkns kts wby bffprf bll flsf bnd wbxfs strpng fvn fpr fvfrmprf. Lft mf tflly ypx K hbvf npt rfcntfd npr bbjxrd b sknglf brtkclf. Thf Cpxnckl dfskrfd mf tp dfclbrf thf fblskty pf bll pf my bpkks bnd fbch brtkclf tbkfn frpm thfm. K rffxsf



tp dp sp, xnlfss thfy shpxld bf prpvfd fblsf by Scrkptxrf. K mfbn thbt whbtfvfr fblsf kntfrprftbtkpn shpxld bf fpxnd kn bny brtkclf whbtfvfr, K bbhpr kt, bnd cpmmfnd kt tp thf cprfctkpn pf thf Lprd Jfsxs Chrkt, Whp knpws my rlbl kntfntkpn bnd wkll npt kntfrprft kn b wrpng sfnsf whkch K dp npt kntfnd. K fxhprt ypx kn thf Lprd tp bbhpr bny fblsf mfbnkng ypx mby bf bblf tp dkscpvfr kn bny pf thfsf brtkclfs, bxt blwbys tp prfsfrvf thf trxth thbt ks kntfndfd.

K, Mbstfr Jphn Hxs, kn chbkns bnd kn prkspn, npw stbndkng pn thf shprf pf thks prfsnt lkff bnd fxpfctkng pn thf mprpw b drfbdfxl dfbth, whkch wkll, K hppf, pxrgf bwby my skns, fknd np hfrfsy kn mysflf, bnd bccfpt wkth bll my hfbrt bny trxth whbtspfvfr thbt ks wrthy pf bflkff.

Wrkttfn pn Thxrsdby bffprf St. Pftfr's Fvf.

K prby ypx tp lpvf thf Bfthlfhfm bnd pxt Gbllxs s kn my plbcf; fpr K trxs thbt thf Lprd ks wkth hkm. Bmf. K cpmmfnd tp ypx Pftfr Mlbdnfwkc, my fbthfxl bnd lpybl cpmfprtfr bnd sxpprtfr.

## The Task

As proof that you have found out what cypher Jan Hus specifically used, encrypt the sentence below.

**The truth is only what is the good of all.**



Quiz solution please fill before September 10th 2021 on web link: <https://forms.office.com/r/fDAnyqRvfY>

All solutions of the summer quizzes will be published at the time of the European Cyber Security Challenge (ECSC) 28.9-1.10.2021 at [www.ecsc2021.cz](http://www.ecsc2021.cz)



### The ECSC Challenge

The European Cyber Security Challenge is an initiative of the European Union Agency for Cybersecurity (ENISA). It works with cybersecurity talent across Europe and helps connect them with leading organisations in the field.

Its main objective is to highlight the importance of national competitions and work with young people in the field of cybersecurity.

This year ECSC will take place in Prague between 28. 9. and 1. 10. 2021, and is organised by the AFCEA Czech chapter (as part of the activities of the European Cybersecurity Month). For more information, see [www.ecsc2021.cz](http://www.ecsc2021.cz)