MICT1 Groep 3

EXERCISES WEEK 1

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Assignment

Investigate the provided binary file "week1.data" by finding 4 strings. Document your methods and the locations of the strings.

Strings to find:
Zuyd (Text)
Double Happiness
Pile of Poo
Jeroen (in Base64 encoding)

Method

We used the Hex editor iHex for Mac OS X to open the binary file. We set the text encoding to UTF-16 Little Endian and searched for the strings.

We converted Zuyd to Hex using UTF-16 LE encoding.
Result: 0x5A00750079006400

Converted Double Happiness (囍) to Hex.
Result: 0xCD56

Converted Pile of Poo (💩) using UTF-8 Encoding.
Result: 0xf09f92a9

Converted "Jeroen" using Base64 to Hex:
Result: 0x536D567962325675

Results

The results we found are shown in the table below.

String		Offset (Numeric)
Zuyd (6x)	230232 256592 638888	737240 1755600 1943920
Double Happiness 囍 (37x)	67865 169888 226478 227264 270907 291945 388432 457208 548032 918809 974862 979460 1063748 1212216 1232417 1238141 1260512 1321776	1405756 1414646 1434268 1489318 1538397 1545845 1622258 1624353 1692350 1706311 1711245 1716342 1806139 1845578 1846173 1853644 1891004 2081509 2087142
Pile of Poo 💩 (7x)	184952 667128 841304	1231584 1390344 1493688 1831376
Jeroen (Base64) (12x)	7000 172344 374680 524288 630712 654448	686976 702248 829008 1262728 1274912 1900856