

intelHex is a simple tool for viewing intel-hex files.

It's written in Java and should therefore runs on all plattformen which supports java.

intelHex viewer is free.

Usage (for version 1.0.0)

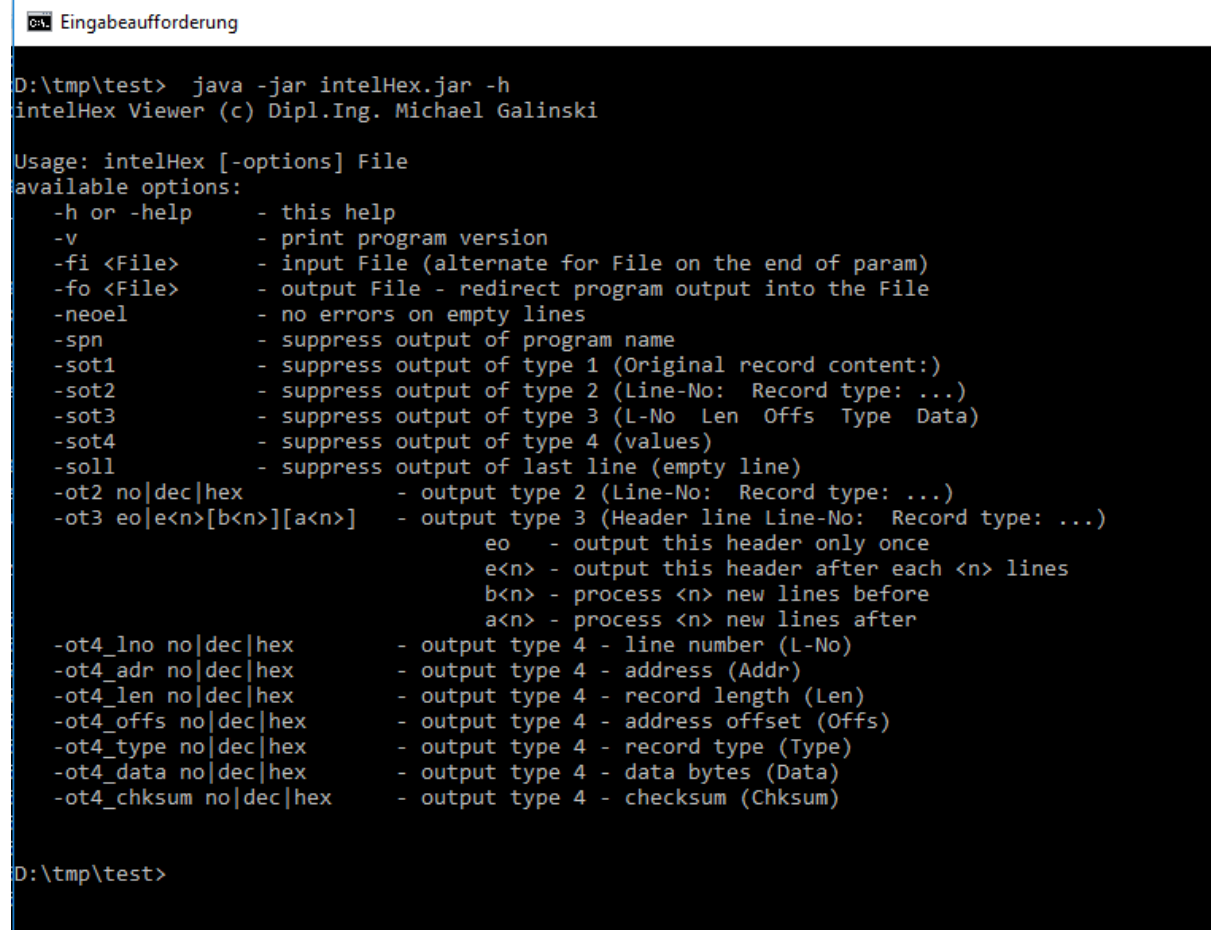
To run this tool you must have installed java run time.

This tool is a little console program, so to start it invoke a console first.

From the command line enter:

```
java -jar intelHex.jar -h
```

you can see the help text and all options allowed for this program.



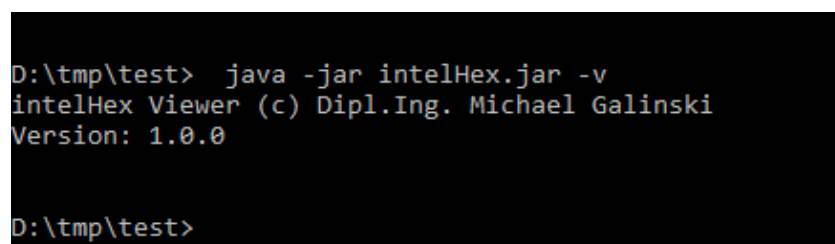
```
D:\tmp\test> java -jar intelHex.jar -h
intelHex Viewer (c) Dipl.Ing. Michael Galinski

Usage: intelHex [-options] File
available options:
  -h or -help      - this help
  -v               - print program version
  -fi <File>       - input File (alternate for File on the end of param)
  -fo <File>       - output File - redirect program output into the File
  -neoe1          - no errors on empty lines
  -spn            - suppress output of program name
  -sot1           - suppress output of type 1 (Original record content:)
  -sot2           - suppress output of type 2 (Line-No: Record type: ...)
  -sot3           - suppress output of type 3 (L-No Len Offs Type Data)
  -sot4           - suppress output of type 4 (values)
  -soll           - suppress output of last line (empty line)
  -ot2 no|dec|hex - output type 2 (Line-No: Record type: ...)
  -ot3 eo|e<n>[b<n>][a<n>] - output type 3 (Header line Line-No: Record type: ...)
                        eo - output this header only once
                        e<n> - output this header after each <n> lines
                        b<n> - process <n> new lines before
                        a<n> - process <n> new lines after
  -ot4_lno no|dec|hex - output type 4 - line number (L-No)
  -ot4_adr no|dec|hex - output type 4 - address (Addr)
  -ot4_len no|dec|hex - output type 4 - record length (Len)
  -ot4_offs no|dec|hex - output type 4 - address offset (Offs)
  -ot4_type no|dec|hex - output type 4 - record type (Type)
  -ot4_data no|dec|hex - output type 4 - data bytes (Data)
  -ot4_chksum no|dec|hex - output type 4 - checksum (Chksum)

D:\tmp\test>
```

to see the program version enter:

```
java -jar intelHex.jar -v
```



```
D:\tmp\test> java -jar intelHex.jar -v
intelHex Viewer (c) Dipl.Ing. Michael Galinski
Version: 1.0.0

D:\tmp\test>
```

to see all possible outputs from a given intel-hex file enter:

```
java -jar intelHex.jar -fi <file>
```

where: <file> is the name of your intel-hex file

```
D:\tmp\test> java -jar intelHex.jar -fi t1.hex
intelHex Viewer (c) Dipl.Ing. Michael Galinski

Original line content: :020000040800F2
|Line-No: 000001 |Record type: 04 - Ext. Lin. |Address: 08000000 |Lenght: 02 |Bit format: 32-bit (I32HEX)
No Addr Len Offs Type Chks Data
1 08000000 02 0000 04 F2 08 00

Original line content: :10000000005000203D0600088D0600088D060008FF
|Line-No: 000002 |Record type: 00 - Data |Address: 08000000 |Lenght: 10 |Bit format: 32-bit (I32HEX)
No Addr Len Offs Type Chks Data
2 08000000 10 0000 00 FF 00 50 00 20 3D 06 00 08 8D 06 00 08 8D 06 00 08

Original line content: :1001300010B5054C237833B9044B13B10448AFF321
|Line-No: 000003 |Record type: 00 - Data |Address: 08000130 |Lenght: 10 |Bit format: 32-bit (I32HEX)
No Addr Len Offs Type Chks Data
3 08000130 10 0130 00 21 10 B5 05 4C 23 78 33 B9 04 4B 13 B1 04 48 AF F3

Original line content: :1001A00000AF8A4A894B9B6943F004039361884AF4
|Line-No: 000004 |Record type: 00 - Data |Address: 080001a0 |Lenght: 10 |Bit format: 32-bit (I32HEX)
No Addr Len Offs Type Chks Data
4 080001a0 10 01a0 00 F4 00 AF 8A 4A 89 4B 9B 69 43 F0 04 03 93 61 88 4A

Original line content: :100230009B899BB243F00C039BB29381654A654B4B
|Line-No: 000005 |Record type: 00 - Data |Address: 08000230 |Lenght: 10 |Bit format: 32-bit (I32HEX)
No Addr Len Offs Type Chks Data
5 08000230 10 0230 00 4B 9B 89 9B B2 43 F0 0C 03 9B B2 93 81 65 4A 65 4B
```

The program outputs 5 formatted lines for each intel-hex record.

You can switch off the output of each formatted line with the option -sot to see only formatted line 1 switch off lines 2+3+4+5, enter:

```
java -jar intelHex.jar -fi <file> -sot2 -sot3 -sot4 -soll
```

```
D:\tmp\test> java -jar intelHex.jar -fi t1.hex -sot2 -sot3 -sot4 -soll
intelHex Viewer (c) Dipl.Ing. Michael Galinski

Original line content: :020000040800F2
Original line content: :10000000005000203D0600088D0600088D060008FF
Original line content: :1001300010B5054C237833B9044B13B10448AFF321
Original line content: :1001A00000AF8A4A894B9B6943F004039361884AF4
Original line content: :100230009B899BB243F00C039BB29381654A654B4B
Original line content: :10095800526567205243435F434647523A203078F6
Original line content: :0809680000000000000000002067
Original line content: :08097000E10600085501000832
Original line content: :040978003101000841
Original line content: :10097C000000000000EC02002054030020BC03002007
Original line content: :10098C00000000000000000000000000000000000005B
Original line content: :10099C00000000000000000000000000000000000004B
Original line content: :100A2C000E33CDAB34126DE6ECDE05000B0000008E
Original line content: :100CBC000000000000000000000000000000000000028
Original line content: :100D0C0000000000000000000000000000000000000D7
Original line content: :100D1C0000000000000000000000000000000000000C7
Original line content: :100D6C000000000000000000000000000000000000077
Original line content: :100D7C000000000000000000000000000000000000067
Original line content: :100D8C000000000000000000000000000000000000057
Original line content: :0C0D9C000000000000000000000048040020DF
Original line content: :040000050800063DAC
Original line content: :00000001FF
```

The line 5 is only an empty line (last line). To switch it off use option -soll

java -jar intelHex.jar -fi <file> -sot2 -sot3 -sot4

```
D:\tmp\test> java -jar intelHex.jar -fi t1.hex -sot2 -sot3 -sot4
intelHex Viewer (c) Dipl.Ing. Michael Galinski

Original line content: :020000040800F2

Original line content: :1000000005000203D0600088D0600088D060008FF

Original line content: :1001300010B5054C237833B9044B13B10448AFF321

Original line content: :1001A00000AF8A4A894B9B6943F004039361884AF4

Original line content: :100230009B899BB243F00C039BB29381654A654B4B

Original line content: :10095800526567205243435F434647523A203078F6

Original line content: :0809680000000000000000002067

Original line content: :08097000E10600085501000832

Original line content: :040978003101000841

Original line content: :10097C000000000000EC02002054030020BC03002007

Original line content: :10098C000000000000000000000000000000000000005B
```

to see only formatted line 2 enter:
java -jar intelHex.jar -fi <file> -sot1 -sot3 -sot4 -soll

```
D:\tmp\test> java -jar intelHex.jar -fi t1.hex -sot1 -sot3 -sot4 -soll
intelHex Viewer (c) Dipl.Ing. Michael Galinski

|Line-No: 000001|Record type: 04|- Ext. Lin.|Address: 08000000|Lenght: 02|Bit format: 32-bit (I32HEX)
|Line-No: 000002|Record type: 00|- Data|Address: 08000000|Lenght: 10|Bit format: 32-bit (I32HEX)
|Line-No: 000003|Record type: 00|- Data|Address: 08000130|Lenght: 10|Bit format: 32-bit (I32HEX)
|Line-No: 000004|Record type: 00|- Data|Address: 080001a0|Lenght: 10|Bit format: 32-bit (I32HEX)
|Line-No: 000005|Record type: 00|- Data|Address: 08000230|Lenght: 10|Bit format: 32-bit (I32HEX)
|Line-No: 000006|Record type: 00|- Data|Address: 08000958|Lenght: 10|Bit format: 32-bit (I32HEX)
|Line-No: 000007|Record type: 00|- Data|Address: 08000968|Lenght: 08|Bit format: 32-bit (I32HEX)
|Line-No: 000008|Record type: 00|- Data|Address: 08000970|Lenght: 08|Bit format: 32-bit (I32HEX)
|Line-No: 000009|Record type: 00|- Data|Address: 08000978|Lenght: 04|Bit format: 32-bit (I32HEX)
|Line-No: 00000a|Record type: 00|- Data|Address: 0800097c|Lenght: 10|Bit format: 32-bit (I32HEX)
|Line-No: 00000b|Record type: 00|- Data|Address: 0800098c|Lenght: 10|Bit format: 32-bit (I32HEX)
|Line-No: 00000c|Record type: 00|- Data|Address: 0800099c|Lenght: 10|Bit format: 32-bit (I32HEX)
|Line-No: 00000d|Record type: 00|- Data|Address: 08000a2c|Lenght: 10|Bit format: 32-bit (I32HEX)
|Line-No: 00000e|Record type: 00|- Data|Address: 08000cbc|Lenght: 10|Bit format: 32-bit (I32HEX)
|Line-No: 00000f|Record type: 00|- Data|Address: 08000d0c|Lenght: 10|Bit format: 32-bit (I32HEX)
|Line-No: 000010|Record type: 00|- Data|Address: 08000d1c|Lenght: 10|Bit format: 32-bit (I32HEX)
|Line-No: 000011|Record type: 00|- Data|Address: 08000d6c|Lenght: 10|Bit format: 32-bit (I32HEX)
|Line-No: 000012|Record type: 00|- Data|Address: 08000d7c|Lenght: 10|Bit format: 32-bit (I32HEX)
|Line-No: 000013|Record type: 00|- Data|Address: 08000d8c|Lenght: 10|Bit format: 32-bit (I32HEX)
|Line-No: 000014|Record type: 00|- Data|Address: 08000d9c|Lenght: 0C|Bit format: 32-bit (I32HEX)
|Line-No: 000015|Record type: 05|- Load EIP|Address: 08000000|Lenght: 04|Bit format: 32-bit (I32HEX)
|Line-No: 000016|Record type: 01|- EoF|Address: 08000000|Lenght: 00|Bit format: 32-bit (I32HEX)

D:\tmp\test>
```

- ,Line-No‘ is the line number for each line from your hex-file
- ,Record type‘ is the intel-hex record type
- ,Address‘ is the address of record
- ,Lenght‘ is the record length
- ,Bit format‘ is the address type (length) of record

You can control the output of formatted line 2 with the option `-ot2 no|dec|hex`
 where: `no` - means no output of formatted line 2 – same as `-sot2`
`java -jar intelHex.jar -fi <file> -sot1 -sot3 -sot4 -soll -ot2 no`

```
D:\tmp\test> java -jar intelHex.jar -fi t1.hex -sot1 -sot3 -sot4 -soll -ot2 no
intelHex Viewer (c) Dipl.Ing. Michael Galinski

D:\tmp\test>
```

where: `dec` - means that all numbers are printed in decimal mode
`java -jar intelHex.jar -fi <file> -sot1 -sot3 -sot4 -soll -ot2 dec`

```
D:\tmp\test> java -jar intelHex.jar -fi t1.hex -sot1 -sot3 -sot4 -soll -ot2 dec
intelHex Viewer (c) Dipl.Ing. Michael Galinski
```

Line-No: 1	Record type: 4	- Ext. Lin.	Address: 134217728	Lenght: 2	Bit format: 32-bit (I32HEX)
Line-No: 2	Record type: 0	- Data	Address: 134217728	Lenght: 16	Bit format: 32-bit (I32HEX)
Line-No: 3	Record type: 0	- Data	Address: 134218032	Lenght: 16	Bit format: 32-bit (I32HEX)
Line-No: 4	Record type: 0	- Data	Address: 134218144	Lenght: 16	Bit format: 32-bit (I32HEX)
Line-No: 5	Record type: 0	- Data	Address: 134218288	Lenght: 16	Bit format: 32-bit (I32HEX)
Line-No: 6	Record type: 0	- Data	Address: 134220120	Lenght: 16	Bit format: 32-bit (I32HEX)
Line-No: 7	Record type: 0	- Data	Address: 134220136	Lenght: 8	Bit format: 32-bit (I32HEX)
Line-No: 8	Record type: 0	- Data	Address: 134220144	Lenght: 8	Bit format: 32-bit (I32HEX)
Line-No: 9	Record type: 0	- Data	Address: 134220152	Lenght: 4	Bit format: 32-bit (I32HEX)
Line-No: 10	Record type: 0	- Data	Address: 134220156	Lenght: 16	Bit format: 32-bit (I32HEX)
Line-No: 11	Record type: 0	- Data	Address: 134220172	Lenght: 16	Bit format: 32-bit (I32HEX)
Line-No: 12	Record type: 0	- Data	Address: 134220188	Lenght: 16	Bit format: 32-bit (I32HEX)
Line-No: 13	Record type: 0	- Data	Address: 134220332	Lenght: 16	Bit format: 32-bit (I32HEX)
Line-No: 14	Record type: 0	- Data	Address: 134220988	Lenght: 16	Bit format: 32-bit (I32HEX)
Line-No: 15	Record type: 0	- Data	Address: 134221068	Lenght: 16	Bit format: 32-bit (I32HEX)
Line-No: 16	Record type: 0	- Data	Address: 134221084	Lenght: 16	Bit format: 32-bit (I32HEX)
Line-No: 17	Record type: 0	- Data	Address: 134221164	Lenght: 16	Bit format: 32-bit (I32HEX)
Line-No: 18	Record type: 0	- Data	Address: 134221180	Lenght: 16	Bit format: 32-bit (I32HEX)
Line-No: 19	Record type: 0	- Data	Address: 134221196	Lenght: 16	Bit format: 32-bit (I32HEX)
Line-No: 20	Record type: 0	- Data	Address: 134221212	Lenght: 12	Bit format: 32-bit (I32HEX)
Line-No: 21	Record type: 5	- Load EIP	Address: 134217728	Lenght: 4	Bit format: 32-bit (I32HEX)
Line-No: 22	Record type: 1	- EoF	Address: 134217728	Lenght: 0	Bit format: 32-bit (I32HEX)

```
D:\tmp\test>
```

where: `hex` - means that all numbers are printed in hexadecimal mode
`java -jar intelHex.jar -fi <file> -sot1 -sot3 -sot4 -soll -ot2 hex`

```
D:\tmp\test> java -jar intelHex.jar -fi t1.hex -sot1 -sot3 -sot4 -soll -ot2 hex
intelHex Viewer (c) Dipl.Ing. Michael Galinski
```

Line-No: 000001	Record type: 04	- Ext. Lin.	Address: 08000000	Lenght: 02	Bit format: 32-bit (I32HEX)
Line-No: 000002	Record type: 00	- Data	Address: 08000000	Lenght: 10	Bit format: 32-bit (I32HEX)
Line-No: 000003	Record type: 00	- Data	Address: 08000130	Lenght: 10	Bit format: 32-bit (I32HEX)
Line-No: 000004	Record type: 00	- Data	Address: 080001a0	Lenght: 10	Bit format: 32-bit (I32HEX)
Line-No: 000005	Record type: 00	- Data	Address: 08000230	Lenght: 10	Bit format: 32-bit (I32HEX)
Line-No: 000006	Record type: 00	- Data	Address: 08000958	Lenght: 10	Bit format: 32-bit (I32HEX)
Line-No: 000007	Record type: 00	- Data	Address: 08000968	Lenght: 08	Bit format: 32-bit (I32HEX)
Line-No: 000008	Record type: 00	- Data	Address: 08000970	Lenght: 08	Bit format: 32-bit (I32HEX)
Line-No: 000009	Record type: 00	- Data	Address: 08000978	Lenght: 04	Bit format: 32-bit (I32HEX)
Line-No: 00000a	Record type: 00	- Data	Address: 0800097c	Lenght: 10	Bit format: 32-bit (I32HEX)
Line-No: 00000b	Record type: 00	- Data	Address: 0800098c	Lenght: 10	Bit format: 32-bit (I32HEX)
Line-No: 00000c	Record type: 00	- Data	Address: 0800099c	Lenght: 10	Bit format: 32-bit (I32HEX)
Line-No: 00000d	Record type: 00	- Data	Address: 08000a2c	Lenght: 10	Bit format: 32-bit (I32HEX)
Line-No: 00000e	Record type: 00	- Data	Address: 08000cbc	Lenght: 10	Bit format: 32-bit (I32HEX)
Line-No: 00000f	Record type: 00	- Data	Address: 08000d0c	Lenght: 10	Bit format: 32-bit (I32HEX)
Line-No: 000010	Record type: 00	- Data	Address: 08000d1c	Lenght: 10	Bit format: 32-bit (I32HEX)
Line-No: 000011	Record type: 00	- Data	Address: 08000d6c	Lenght: 10	Bit format: 32-bit (I32HEX)
Line-No: 000012	Record type: 00	- Data	Address: 08000d7c	Lenght: 10	Bit format: 32-bit (I32HEX)
Line-No: 000013	Record type: 00	- Data	Address: 08000d8c	Lenght: 10	Bit format: 32-bit (I32HEX)
Line-No: 000014	Record type: 00	- Data	Address: 08000d9c	Lenght: 0C	Bit format: 32-bit (I32HEX)
Line-No: 000015	Record type: 05	- Load EIP	Address: 08000000	Lenght: 04	Bit format: 32-bit (I32HEX)
Line-No: 000016	Record type: 01	- EoF	Address: 08000000	Lenght: 00	Bit format: 32-bit (I32HEX)

```
D:\tmp\test>
```


to see only formatted line 3 enter:

```
java -jar intelHex.jar -fi <file> -sot1 -sot2 -sot4 -soll
```

```
D:\tmp\test> java -jar intelHex.jar -fi t1.hex -sot1 -sot2 -sot4 -soll
intelHex Viewer (c) Dipl.Ing. Michael Galinski

No      Addr      Len  Offs  Type  Chks  Data
No      Addr      Len  Offs  Type  Chks  Data
No      Addr      Len  Offs  Type  Chks  Data
No      Addr      Len  Offs  Type  Chks  Data
No      Addr      Len  Offs  Type  Chks  Data
No      Addr      Len  Offs  Type  Chks  Data
No      Addr      Len  Offs  Type  Chks  Data
No      Addr      Len  Offs  Type  Chks  Data
No      Addr      Len  Offs  Type  Chks  Data
No      Addr      Len  Offs  Type  Chks  Data
No      Addr      Len  Offs  Type  Chks  Data
No      Addr      Len  Offs  Type  Chks  Data
No      Addr      Len  Offs  Type  Chks  Data
No      Addr      Len  Offs  Type  Chks  Data
No      Addr      Len  Offs  Type  Chks  Data
No      Addr      Len  Offs  Type  Chks  Data
No      Addr      Len  Offs  Type  Chks  Data
No      Addr      Len  Offs  Type  Chks  Data
```

Formatted line 3 ist only the header line for formattted line 4.

to see only formatted line 4 enter:

```
java -jar intelHex.jar -fi <file> -sot1 -sot2 -sot3 -soll
```

```
D:\tmp\test> java -jar intelHex.jar -fi t1.hex -sot1 -sot2 -sot3 -soll
intelHex Viewer (c) Dipl.Ing. Michael Galinski

1      08000000    02  0000  04  F2    08 00
2      08000000    10  0000  00  FF    00 50 00 20 3D 06 00 08 8D 06 00 08 8D 06 00 08
3      08000130    10  0130  00  21    10 B5 05 4C 23 78 33 B9 04 4B 13 B1 04 48 AF F3
4      080001a0    10  01a0  00  F4    00 AF 8A 4A 89 4B 9B 69 43 F0 04 03 93 61 88 4A
5      08000230    10  0230  00  4B    9B 89 9B B2 43 F0 0C 03 9B B2 93 81 65 4A 65 4B
6      08000958    10  0958  00  F6    52 65 67 20 52 43 43 5F 43 46 47 52 3A 20 30 78
7      08000968    08  0968  00  67    00 00 00 00 00 00 00 20
8      08000970    08  0970  00  32    E1 06 00 08 55 01 00 08
9      08000978    04  0978  00  41    31 01 00 08
10     0800097c    10  097c  00  07    00 00 00 00 EC 02 00 20 54 03 00 20 BC 03 00 20
11     0800098c    10  098c  00  5B    00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
12     0800099c    10  099c  00  4B    00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
13     08000a2c    10  0a2c  00  8E    0E 33 CD AB 34 12 6D E6 EC DE 05 00 0B 00 00 00
14     08000cbc    10  0cbc  00  28    00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
15     08000d0c    10  0d0c  00  D7    00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
16     08000d1c    10  0d1c  00  C7    00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
17     08000d6c    10  0d6c  00  77    00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
18     08000d7c    10  0d7c  00  67    00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
19     08000d8c    10  0d8c  00  57    00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
20     08000d9c    0C  0d9c  00  DF    00 00 00 00 00 00 00 00 48 04 00 20
21     08000000    04  0000  05  AC    08 00 06 3D
22     08000000    00  0000  01  FF
```

```
D:\tmp\test>
```

You can control the output of header line (formatted line 3) with the option -ot3 eo|e<n>[b<n>][a<n>]

where: eo - means output header line only once

java -jar intelHex.jar -fi <file> -sot1 -sot2 -soll -ot3 eo

```
D:\tmp\test> java -jar intelHex.jar -fi t1.hex -sot1 -sot2 -soll -ot3 eo
intelHex Viewer (c) Dipl.Ing. Michael Galinski

No      Addr      Len  Offs  Type  Chks  Data
1        08000000    02  0000  04    F2    08 00
2        08000000    10  0000  00    FF    00 50 00 20 3D 06 00 08 8D 06 00 08 8D 06 00 08
3        08000130    10  0130  00    21    10 B5 05 4C 23 78 33 B9 04 4B 13 B1 04 48 AF F3
4        080001a0    10  01a0  00    F4    00 AF 8A 4A 89 4B 9B 69 43 F0 04 03 93 61 88 4A
5        08000230    10  0230  00    4B    9B 89 9B B2 43 F0 0C 03 9B B2 93 81 65 4A 65 4B
6        08000958    10  0958  00    F6    52 65 67 20 52 43 43 5F 43 46 47 52 3A 20 30 78
7        08000968    08  0968  00    67    00 00 00 00 00 00 00 20
8        08000970    08  0970  00    32    E1 06 00 08 55 01 00 08
9        08000978    04  0978  00    41    31 01 00 08
10       0800097c    10  097c  00    07    00 00 00 00 EC 02 00 20 54 03 00 20 BC 03 00 20
11       0800098c    10  098c  00    5B    00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
12       0800099c    10  099c  00    4B    00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
13       08000a2c    10  0a2c  00    8E    0E 33 CD AB 34 12 6D E6 EC DE 05 00 0B 00 00 00
14       08000cbc    10  0cbc  00    28    00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
15       08000d0c    10  0d0c  00    D7    00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
16       08000d1c    10  0d1c  00    C7    00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
17       08000d6c    10  0d6c  00    77    00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
18       08000d7c    10  0d7c  00    67    00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
19       08000d8c    10  0d8c  00    57    00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
20       08000d9c    0C  0d9c  00    DF    00 00 00 00 00 00 00 00 00 00 48 04 00 20
21       08000000    04  0000  05    AC    08 00 06 3D
22       08000000    00  0000  01    FF
```

D:\tmp\test>

where: e<n> - means output header line each <n> output lines

java -jar intelHex.jar -fi <file> -sot1 -sot2 -soll -ot3 e3

```
D:\tmp\test> java -jar intelHex.jar -fi t1.hex -sot1 -sot2 -soll -ot3 e3
intelHex Viewer (c) Dipl.Ing. Michael Galinski

No      Addr      Len  Offs  Type  Chks  Data
1        08000000    02  0000  04    F2    08 00
2        08000000    10  0000  00    FF    00 50 00 20 3D 06 00 08 8D 06 00 08 8D 06 00 08
3        08000130    10  0130  00    21    10 B5 05 4C 23 78 33 B9 04 4B 13 B1 04 48 AF F3
No      Addr      Len  Offs  Type  Chks  Data
4        080001a0    10  01a0  00    F4    00 AF 8A 4A 89 4B 9B 69 43 F0 04 03 93 61 88 4A
5        08000230    10  0230  00    4B    9B 89 9B B2 43 F0 0C 03 9B B2 93 81 65 4A 65 4B
6        08000958    10  0958  00    F6    52 65 67 20 52 43 43 5F 43 46 47 52 3A 20 30 78
No      Addr      Len  Offs  Type  Chks  Data
7        08000968    08  0968  00    67    00 00 00 00 00 00 00 20
8        08000970    08  0970  00    32    E1 06 00 08 55 01 00 08
9        08000978    04  0978  00    41    31 01 00 08
No      Addr      Len  Offs  Type  Chks  Data
10       0800097c    10  097c  00    07    00 00 00 00 EC 02 00 20 54 03 00 20 BC 03 00 20
11       0800098c    10  098c  00    5B    00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
12       0800099c    10  099c  00    4B    00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
No      Addr      Len  Offs  Type  Chks  Data
13       08000a2c    10  0a2c  00    8E    0E 33 CD AB 34 12 6D E6 EC DE 05 00 0B 00 00 00
14       08000cbc    10  0cbc  00    28    00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
15       08000d0c    10  0d0c  00    D7    00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
No      Addr      Len  Offs  Type  Chks  Data
16       08000d1c    10  0d1c  00    C7    00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
17       08000d6c    10  0d6c  00    77    00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
18       08000d7c    10  0d7c  00    67    00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
No      Addr      Len  Offs  Type  Chks  Data
19       08000d8c    10  0d8c  00    57    00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
20       08000d9c    0C  0d9c  00    DF    00 00 00 00 00 00 00 00 00 00 48 04 00 20
21       08000000    04  0000  05    AC    08 00 06 3D
No      Addr      Len  Offs  Type  Chks  Data
22       08000000    00  0000  01    FF
```

D:\tmp\test>

where: b<n> - means output empty <n> lines before header line

where: a<n> - means output empty <n> lines after header line

java -jar intelHex.jar -fi <file> -sot1 -sot2 -soll -ot3 e3b1

```
D:\tmp\test> java -jar intelHex.jar -fi t1.hex -sot1 -sot2 -soll -ot3 e3b1
intelHex Viewer (c) Dipl.Ing. Michael Galinski
```

No	Addr	Len	Offs	Type	Chks	Data
1	08000000	02	0000	04	F2	08 00
2	08000000	10	0000	00	FF	00 50 00 20 3D 06 00 08 8D 06 00 08 8D 06 00 08
3	08000130	10	0130	00	21	10 B5 05 4C 23 78 33 B9 04 4B 13 B1 04 48 AF F3

No	Addr	Len	Offs	Type	Chks	Data
4	080001a0	10	01a0	00	F4	00 AF 8A 4A 89 4B 9B 69 43 F0 04 03 93 61 88 4A
5	08000230	10	0230	00	4B	9B 89 9B B2 43 F0 0C 03 9B B2 93 81 65 4A 65 4B
6	08000958	10	0958	00	F6	52 65 67 20 52 43 43 5F 43 46 47 52 3A 20 30 78

No	Addr	Len	Offs	Type	Chks	Data
7	08000968	08	0968	00	67	00 00 00 00 00 00 00 20
8	08000970	08	0970	00	32	E1 06 00 08 55 01 00 08
9	08000978	04	0978	00	41	31 01 00 08

No	Addr	Len	Offs	Type	Chks	Data
10	0800097c	10	097c	00	07	00 00 00 00 EC 02 00 20 54 03 00 20 BC 03 00 20
11	0800098c	10	098c	00	5B	00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
12	0800099c	10	099c	00	4B	00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00

No	Addr	Len	Offs	Type	Chks	Data
13	08000a2c	10	0a2c	00	8E	0E 33 CD AB 34 12 6D E6 EC DE 05 00 0B 00 00 00
14	08000cbc	10	0cbc	00	28	00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
15	08000d0c	10	0d0c	00	D7	00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00

No	Addr	Len	Offs	Type	Chks	Data
16	08000d1c	10	0d1c	00	C7	00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
17	08000d6c	10	0d6c	00	77	00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
18	08000d7c	10	0d7c	00	67	00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00

No	Addr	Len	Offs	Type	Chks	Data
19	08000d8c	10	0d8c	00	57	00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
20	08000d9c	0C	0d9c	00	DF	00 00 00 00 00 00 00 00 48 04 00 20
21	08000000	04	0000	05	AC	08 00 06 3D

No	Addr	Len	Offs	Type	Chks	Data
22	08000000	00	0000	01	FF	

```
D:\tmp\test>
```

java -jar intelHex.jar -fi <file> -sot1 -sot2 -soll -ot3 e3b1a1

```
D:\tmp\test> java -jar intelHex.jar -fi t1.hex -sot1 -sot2 -soll -ot3 e3b1a1
intelHex Viewer (c) Dipl.Ing. Michael Galinski
```

No	Addr	Len	Offs	Type	Chks	Data
1	08000000	02	0000	04	F2	08 00
2	08000000	10	0000	00	FF	00 50 00 20 3D 06 00 08 8D 06 00 08 8D 06 00 08
3	08000130	10	0130	00	21	10 B5 05 4C 23 78 33 B9 04 4B 13 B1 04 48 AF F3

No	Addr	Len	Offs	Type	Chks	Data
4	080001a0	10	01a0	00	F4	00 AF 8A 4A 89 4B 9B 69 43 F0 04 03 93 61 88 4A
5	08000230	10	0230	00	4B	9B 89 9B B2 43 F0 0C 03 9B B2 93 81 65 4A 65 4B
6	08000958	10	0958	00	F6	52 65 67 20 52 43 43 5F 43 46 47 52 3A 20 30 78

No	Addr	Len	Offs	Type	Chks	Data
7	08000968	08	0968	00	67	00 00 00 00 00 00 00 20
8	08000970	08	0970	00	32	E1 06 00 08 55 01 00 08
9	08000978	04	0978	00	41	31 01 00 08

No	Addr	Len	Offs	Type	Chks	Data
10	0800097c	10	097c	00	07	00 00 00 00 EC 02 00 20 54 03 00 20 BC 03 00 20
11	0800098c	10	098c	00	5B	00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
12	0800099c	10	099c	00	4B	00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00

No	Addr	Len	Offs	Type	Chks	Data
13	08000a2c	10	0a2c	00	8E	0E 33 CD AB 34 12 6D E6 EC DE 05 00 0B 00 00 00
14	08000cbc	10	0cbc	00	28	00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
15	08000d0c	10	0d0c	00	D7	00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00

No	Addr	Len	Offs	Type	Chks	Data
16	08000d1c	10	0d1c	00	C7	00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
17	08000d6c	10	0d6c	00	77	00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
18	08000d7c	10	0d7c	00	67	00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00

No	Addr	Len	Offs	Type	Chks	Data
19	08000d8c	10	0d8c	00	57	00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
20	08000d9c	0C	0d9c	00	DF	00 00 00 00 00 00 00 00 48 04 00 20
21	08000000	04	0000	05	AC	08 00 06 3D

No	Addr	Len	Offs	Type	Chks	Data
22	08000000	00	0000	01	FF	

```
D:\tmp\test>
```

You can control the output of line4 with the option -ot4

The header line for the given column will be correspond automatically controlled.

to switch off the output of columns ,Type' and ,Chks' enter:

```
java -jar intelHex.jar -fi <file> -sot1 -sot2 -soll -ot3 e8b1a0 -ot4_type no -ot4_chksum no
```

```
D:\tmp\test> java -jar intelHex.jar -fi t1.hex -sot1 -sot2 -soll -ot3 e8b1a0 -ot4_type no -ot4_chksum no
intelHex Viewer (c) Dipl.Ing. Michael Galinski
```

No	Addr	Len	Offs	Data
1	08000000	02	0000	08 00
2	08000000	10	0000	00 50 00 20 3D 06 00 08 8D 06 00 08 8D 06 00 08
3	08000130	10	0130	10 B5 05 4C 23 78 33 B9 04 4B 13 B1 04 48 AF F3
4	080001a0	10	01a0	00 AF 8A 4A 89 4B 9B 69 43 F0 04 03 93 61 88 4A
5	08000230	10	0230	9B 89 9B B2 43 F0 0C 03 9B B2 93 81 65 4A 65 4B
6	08000958	10	0958	52 65 67 20 52 43 43 5F 43 46 47 52 3A 20 30 78
7	08000968	08	0968	00 00 00 00 00 00 00 20
8	08000970	08	0970	E1 06 00 08 55 01 00 08
No	Addr	Len	Offs	Data
9	08000978	04	0978	31 01 00 08
10	0800097c	10	097c	00 00 00 00 EC 02 00 20 54 03 00 20 BC 03 00 20
11	0800098c	10	098c	00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
12	0800099c	10	099c	00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
13	08000a2c	10	0a2c	0E 33 CD AB 34 12 6D E6 EC DE 05 00 0B 00 00 00
14	08000cbc	10	0cbc	00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
15	08000d0c	10	0d0c	00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
16	08000d1c	10	0d1c	00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
No	Addr	Len	Offs	Data
17	08000d6c	10	0d6c	00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
18	08000d7c	10	0d7c	00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
19	08000d8c	10	0d8c	00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
20	08000d9c	0C	0d9c	00 00 00 00 00 00 00 00 48 04 00 20
21	08000000	04	0000	08 00 06 3D
22	08000000	00	0000	

```
D:\tmp\test>
```

This tool checks the format of the input file which must be correct intel-hex one.

If you have empty lines in the input file, you can ignore this with the option -neoe1

Normally empty lines are not allowed in the intel-hex file and the tool will terminate on error.

Also you can redirect the output to the file with the option -fo <File>

Enjoy your new intelHex viewer tool!