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# 🐣 Cover All Your Bases

| Category | Author |
|---|---|
| 🐣 Warmups | John Hammond |

## Challenge Prompt

Can you make sense of all the different data below? Each one has a different representation!

Uncover the appropriate plaintext and submit the flags below! Do you know what all these ones and zeros mean?

```
01000111 01110010 01100101 01100001 01110100 00100000 01110111 01101111 01110010 01101011 00100001
00100000 01010100 01101000 01100001 01110100 00100000 01110111 01100001 01110011 00100000 01000010
01100001 01110011 01100101 01000000 00110010 00101100 00100000 01100010 01100101 01110100 01110100
01100101 01110010 00100000 01101011 01110110 01101111 01110111 01101110 01100000 01100001 01110011
00100000 01100010 01101001 01101110 01100001 01110010 01111001 00101110 00100000 01001001 01110100
00100000 01101111 01101110 01101100 01111001 00100000 01110101 01110011 01101101 01110011 00100000
01110100 01101111 01101111 00100000 01110011 01111001 01101101 01100010 01101111 01101100 01110011
00111010 00100000 00110000 00100000 01100001 01101110 01100100 00100000 00110001 00101100 00100000
01110111 01101000 01101001 01100011 01110100 00100000 01101101 01100001 01101011 01100101 01110011
00100000 01101001 01110100 00100000 01100101 01100001 01110011 01111001 00100000 01110100 01101111
00100000 01110011 01110000 01101111 01110110 01110100 00100110 00100000 01000001 01101110 01110011
01100001 01111001 00101100 00100000 01101000 01100101 01110010 01101001 00100111 01110011 00100000
01111101 01101111 01110101 01110010 00100000 01100110 01101100 01100100 01100111 00110010 00100000
01100110 01101000 01100001 01110011 01111011 00110010 00110111 00110100 00110011 01100011 00110100
00110101 00110100 00111000 00110111 01100011 00111001 00111000 00110110 00110110 01100001 00110110
01100011 00110010 01100011 00110000 00110000 01100001 00110001 01100001 01100110 01100110 01100101
01100100 00111001 01100100 01100011 01111101
```

Submit the flag below: 1 point

flag{678ac45487c9862a6c2c00a1affed9dc}

✓ Correct

Hmmm, a group of triplets, it looks like. Can you find out what they are trying to say?

```
116 151 143 145 154 171 040 144 157 156 145 041 040 124 150 141 164 040 167 141 163 040 102 141 163
145 040 078 054 040 157 157 162 040 157 143 164 141 154 056 040 111 164 040 165 163 145 163 040 144 151
147 151 164 163 040 060 055 067 054 040 141 156 144 040 157 146 164 145 156 040 163 150 157 167 163
040 165 160 040 151 156 040 146 151 154 145 040 169 145 162 155 151 163 163 151 157 156 163 040 157
156 040 144 151 156 165 170 056 040 123 160 157 164 040 151 164 040 157 150 145 156 040 156 165 155
142 145 162 163 040 150 141 166 145 040 154 145 141 144 151 156 147 040 060 163 056 040 110 145 162
145 047 163 040 171 157 165 162 040 146 156 154 141 147 072 040 146 154 141 147 173 146 145 065 070 060
145 060 065 145 065 062 067 146 062 060 064 062 061 062 071 060 066 060 065 070 060 071 143 141 145
143 071 175
```

Submit the flag below: 1 point

flag{fe580e05e52f72042f290605809caec9}

✓ Correct

These numbers look familiar... but how could they be represented as text?

```
089 111 117 032 099 114 097 099 107 101 100 032 105 116 033 032 084 104 097 116 032 119 097 115 032
066 097 115 101 032 049 048 044 032 111 117 114 032 101 118 101 114 121 100 097 121 032 100 101 099
105 109 097 108 032 115 121 115 116 101 109 046 032 073 116 032 114 117 110 115 032 102 114 111 109
032 048 045 057 032 097 110 100 032 108 111 111 107 115 032 108 105 107 101 032 118 111 114 109 097
108 032 110 117 109 098 101 114 115 046 046 032 069 097 115 121 032 116 111 032 105 100 101 118 105
102 121 033 032 089 111 117 114 032 102 108 097 103 058 032 102 108 097 103 123 055 100 049 101 098
050 101 048 055 055 054 099 100 055 099 053 099 055 056 100 102 048 049 048 049 048 102 051 048 101
053 048 125
```

Submit the flag below: 1 point

flag{7d1eb2e0776cd7c5c78df0101f50e50}

✓ Correct

These look like pairs! But these have weird letters in them?

```
41 77 65 73 6f 6d 65 20 6a 6f 62 21 20 54 68 61 74 20 77 61 73 20 42 61 73 65 20 31 36 2c 20 6f 72
20 68 65 78 61 64 65 63 69 6d 61 6c 2e 20 49 74 20 75 73 65 73 20 30 20 20 61 6e 64 20 41 2d 46
2c 20 6f 66 74 65 6e 20 77 69 74 68 20 70 72 65 66 69 78 65 73 20 6c 69 6b 65 20 30 78 2e 20 43 6f
6d 6d 6f 6e 20 69 6e 20 6d 65 6d 6f 72 79 20 64 75 6d 70 73 20 61 6e 64 20 63 6f 6c 72 20 63 6f
64 65 73 2e 20 48 65 72 65 20 69 73 20 79 6f 75 72 20 66 6c 61 67 3a 20 66 6c 61 67 7b 64 33 63 62
32 62 65 33 65 34 65 34 61 38 66 35 31 37 64 39 63 35 63 65 34 33 37 32 62 38 62 37 7d
```

Submit the flag below: 1 point

flag{d3cb2be3e4e4a8f517d9c5ce43728b7}

✓ Correct

Uppercase letters and digits in a long stream... notice anything about the padding?

```
I5XW6ZBAD5XKE2ZBEBKGQYLUEB3WC4ZAIJQXGZJAGMZCYIDPMZ2GK3RADVZWKZBA
NFXCAR3PNSTWYZJAIFZXIZDFNEZGSY3BORXXEIDLMV4XGLRAJFZCA5LTMVZSAQJN
LIQGCZTEAZCZNZOEBEWMIOZRN25SA3FMQGSY23UOMQGZAZRADVYHAZLSMNQGGZJA
NRSX5SDFOJZSAYLOMQQGZIZLHNFJHGLBAORUG53TLEBBGC43FGMZC4ICHMV2CA5DI
MF2CAZTMMFTSCIDGNRQWO6ZZRJMRDKYTCHBSWCNJQHBRGGZTCMMZTCYTEGVSTCHLF
MZRDEDLDMNQQ====
```

Submit the flag below: 1 point

flag{9bb59bb8ea508bcfbc5fbd5e1fefb29c}

✓ Correct

A mixed alphabet with symbols. What is this one supposed to be?

```
K19X CSUEWQE24EBWI3/DK84UAIECV44HECN3AHECDZCDR61Q57E  CH44M-DSCAB4V3E8SCE4484
EQ34CYA8EBQZDJWEBUO-M8*+APR8IN85LEREDDEDIECC6SC1S5*C3T44LQE.OEOCCJSDHBFX3BK4475C7
WE4LE1QSAVCEO3DLWE1QSCEEFTC-QECSD*3EBPEU345UE*VDN3E.OEKFE*EDIQDA448NEC44Z CV3E6SC
B44TVDCEC4WDIS5Y6BO/E344E64PVDV1DE44PVDV3DVICYJCI-C4:6B4E:/6A4EYYIC3DCSM4ECYJCKA
7YJCZR6J-CZ2
```

Submit the flag below: 1 point

flag{b5bef376027704b8c73dafbe95be47f4}

✓ Correct

Compact and common on the wire... does the ending give you a clue?

```
V2VsbCB6b25lISBUaGF0IHdhcyBCYXNlIDY0LCBzdXBlciBjb2l1b24gZW9yIGVuY29kaW5nIGRh
dGEgaW4gZWlhaWwgYW5kIHdlYiB0cmFmZmlji.iBMb29rIGZvciBBLVosIGEteiwgMC05LCBwbHVz
ICxgYW5kICBsIGFuZCBzb21ldGlzZXMgdGhlIHhhZGRpbmcgPSBzaWducyBhdSB0aGUgZW5kLiBG
bGFnZUBwbGFwZNkMDEZNGZmNjQ3MjZmMjk3MmIyZDhmMmFjMDEzOWRlQ==
```

Submit the flag below: 1 point

flag{cd0964ff6472f2972b2d8f2ac0119db}

✓ Correct

This variant often shows special markers. See anything bracketing the data?

```
<~:2+3L+EqaECEXg"BOQ!"G@+P86+EqH!7250+EqL5@qZuqDf'',+DG^9A8,X?ATD@"F+GaBEbSk"FE9
&W+nohcE"FnCAMS+j@qf4;2'@'NE3Sk"F+G^IF?]"&GqhZMB<.I2+EqQABHTE2+CT.u+DHG$F!,[@F2)
eG4t(sWBDr;a?R;j:QSANE5GVWE"@;'O8F'V,B+CQCN3Ec5AaATaNCiFar@V'X(.!) B+DGH4+EM+"+Cf
(nEa I"ATB1TCh[Z+!F?jA?n+FI/0JKD+YP[k+A$/fmhIGGrCeSnDe"X"+CfY,E_BrSDKTq/QW-C2+DG
_:@;XXg+EMgFB@W-{{/DK"XBlmiu+EV:.+@BLXAN2GiGhWE"@;^D=+@^OUBDN/ICggt'@DK\\q@:_,QZD[
<IA2uM-3h/CGAN)S+@P_LS2.Uk.I/~>
```

Submit the flag below: 1 point

flag{a14a2e09638fd9594c58e785b3c95dfb}

✓ Correct

This noisy alphabet is picky about whitespace... formatting might matter!

```
@D_<sB5GVmj-;A[GD:PIptd9WKgRoG![3\gx4mcIUAIYA8M=E_=UOU5S$HqE$p+XHnvVkV6$)Q?tqB]P)
Dy\4O'vcT$^qE;BG\LXAgVXaZ$Tq0,'1:I3jzOY4R%)8iY(1.GjE2RDbHyuj-^n16E1S\d:W-#pm0',!e
D:H4aK'qB*]AJCN3&]+%65i/Ngsa"U[eEU/(Vw'b/nS_"vgtH.^_V_T@5AgNe3W?d0jvEZ3oKhm/WwA+
-GHriucesTlHH=#]E]KGisTc:eHowA<RF;gx-ld-)=m0i&C$I3SXv_'bF.gDk[#-H,1kv93JUpCu&I-r
4c^?pu+!79iXkKdX6,IcPwWN.@E?CD
```

Submit the flag below: 1 point

flag{0c97042d855d7b353dc87c91ea902f29}

✓ Correct

The data below looks super weird! Don't panic if your editor can't render every symbol. Can you tell what it is?

```
ﾟωﾟﾉ= /｀ｍ´）ﾉ ~┻━┻ //*´∇｀*/ ['_'] ; o=(ﾟ･ω･ﾟ)ﾉ=_/￣ｏ￣); o.__proto__=new String; o.toUpperCase=o.toLowerCase=o.slice=o[o+'_'+(ﾟ･ω･ﾟ)+(ﾟ･ω･ﾟ)+(ﾟ･ω･ﾟ)
```