Challenge 1: T-Shirt Binary

01001010011101010111001101110100001000000100010001101111001000000100100101110100
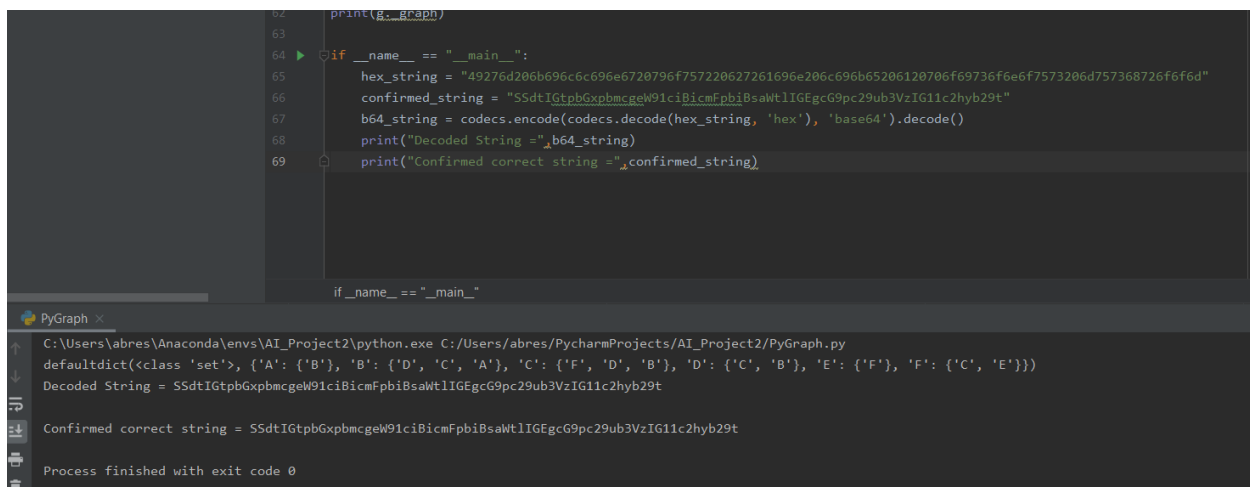
Using https://www.binaryhexconverter.com/binary-ascii-characters-table:

01001010 01110101 01110011 01110100 00100000 01000100 01101111 00100000 01001001 01110100

J U S T D O I T

JUST DO IT

Challenge 2:

Using the codecs library in python, decode the hex string and then re-encode it with base64.

Challenge 3:

Using an online hash cracker, the password part of the hash (8cb554127837a4002338c10a299289fb) was discovered to be an md5 hash, where the original password was "profit".

Challenge 4:

Using a hex decoder, the secret text is:

```
0006360   74 61 74 69 6F 6E 20 61 74 3A 20 3C 25 73 25 73   tation at: <%s%s
0006370   3E 0A 00 00 6F 72 20 61 76 61 69 6C 61 62 6C 65   >...or available
0006380   20 6C 6F 63 61 6C 6C 79 20 76 69 61 3A 20 69 6E    locally via: in
0006390   66 6F 20 27 28 63 6F 72 65 75 74 69 6C 73 29 20   fo '(coreutils)
00063A0   25 73 25 73 27 0A 54 68 65 20 73 65 63 72 65 74   %s%s'.The secret
00063B0   20 6D 65 73 73 61 67 65 20 69 73 3A 20 44 72 6F    message is: Dro
00063C0   70 70 69 6E 27 20 73 68 65 6C 6C 73 20 61 74 20   ppin' shells at
00063D0   31 30 3A 35 37 0A 00 00 00 00 00 00 00 00 00 00   10:57...........
00063E0   00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00   ................
00063F0   69 74 3A 30 3A 3A 31 3A 3A 32 3A 3A 33 3A 3A 34   it:0::1::2::3::4
```

Droppin' shells at 10:57