XOR
Problem ID: a09p07xor

Write a program that:

1. Prompts the user for a file name.
2. Opens the file in binary mode, using the `"rb"` mode of the `open` function.
    - If the file does not exist, then the program should print `"No file named {file name} could be found"`.
3. Calculates an XOR checksum by performing byte-wise XOR operations for every byte in the file.
4. Prints out `"The checksum is <checksum>"` where `<checksum>` is a single byte in hexadecimal format (e.g. `xB2`).

Example: Let's assume that the file `a.bin` contains three bytes:

- `0x01`, `0x02` and `0x01`.

Then the XOR checksum is:

- `0x01 ^ 0x02 ^ 0x01 = 0x02`.

Input

Input consists of:

1. A filename containing the binary file to be processed.

Output

Output consists of:

1. The XOR checksum of the binary file, presented as a single byte in hexadecimal format.

Sample Input 1	Sample Output 1
`random.bin`	`The checksum is x96`

Sample Input 2	Sample Output 2
`cancel.bin`	`The checksum is x5b`

Sample Input 3	Sample Output 3
`empty.bin`	`The checksum is x00`

Sample Input 4	Sample Output 4
`doesnotexist.bin`	`No file named doesnotexist.bin could be found`