



Sistemas y Tecnologías Web

Lic. Dennis Aldana

Laboratorio #1: Internet Antes de la Web

Santiago Cordero (24472)

Licenciatura en Ingeniería en Ciencias de la Computación y Tecnologías de la Información

Guatemala, enero del 2026

Ejercicios Realizados

1) (20 puntos) ¿Cuál es el output de éste programa de Brainf*ck:

a. ++++++[>+++++>++++++>+++>+<<<-
]>++.>+.+++++.++.>+.<+++++++.>.+.,----.
.++>.

R/ Según el compilador de telehack.com, el output del código es Hello World!

```
$W scor05@Dell-Latitude: /mnt/c/Usersmonic  
1: scor05@Dell-Latitude: /mnt/c/Usersmonic x +  
  
It is 4:20 pm on Friday, January 16, 2026 in Mountain View, California, USA.  
There are 150 local users. There are 26648 hosts on the network.  
  
May the command line live forever.  
  
Command, one of the following:  
ac advent basic bf cal calc  
cat ching clear cowsay date ddate  
diff dir eliza exit figlet finger  
geoip gif head help ipaddr joke  
liff login mac marque md5 minesweeper  
more morse netstat newuser notes pig  
ping pong primes qr rain rainbow  
rand recover rfc rockets rot13 run  
salvo sleep starwars tail today traceroute  
typespeed users uumap uuplot when zc  
  
More commands available after login. Type HELP for a detailed command list.  
Type NEWUSER to create an account. Press control-C to interrupt any command.  
.bf ++++++[>+++++>++++++>+++>+<<<-]>++.>+.+++++.++.>+.<+++++++.  
+++++.>.+++.----.-.----.>+.>.  
[bf] Executing as Brainfuck code ...  
Hello World!  
.
```

También corroborado por el compilador adjunto en
`/src/brainfck_compiler.exe`:

```
● InternetBeforeWebExercise>> ./brainfck_compiler.exe  
Ingrese el código de Brainf*ck a compilar:  
R/ ++++++[>+++++>++++++>+++>+<<<-]>++.>+.+++++.++.>+.<+++++++.>.+.,----.-.----.>+.>.  
Hello World!
```

- 2) (10 puntos) ¿Cómo pide auxilio una vaca paranoica?
a. Deben asegurarse que la vaca sea paranoica

R/ Usando el comando cowsay /paranoid una vaca paranoica pide auxilio así:

```
.cowsay /paranoid Auxilio!
-----
< Auxilio! >
-----
 \ ^__^
  \  (oo)\_____
   (__)\       )\/\
      ||----w |
      ||     ||
```

- 3) (10 puntos) ¿Que respuesta les dio la psicoterapeuta a la pregunta "what is life?"
a. Ella da múltiples respuestas, escojan una. Pueden poner su conversación completa con ella si quieren.

R/ El comando eliza permite abrir la psicoterapeuta AI que (en mi caso) me respondió lo siguiente a la pregunta “what is life?”: (realmente no contestó la pregunta, solo me la trató de hacer a mí)

```
1: scor05@Dell-Latitude: /mnt/c/Users/monic ~ +
```

```
.eliza
HELLO, I AM ELIZA.

what is life?

WHAT IS IT YOU REALLY WANT TO KNOW?

what is the meaning of our existence? what distinguishes something from being really alive?

WHAT COMES TO MIND WHEN YOU ASK THAT?

nothing, I seek answers from you.

ARE YOU AFRAID SOMEONE WILL LAUGH IF YOU SPEAK OUT?

no

ARE YOU SAYING NO JUST TO BE NEGATIVE?

no

ARE YOU SAYING NO JUST TO BE NEGATIVE?

really, I am not

TELL ME WHAT YOU THOUGHT WHEN YOU WOKE UP THIS MORNING?

that I need to get up to eat breakfast
```

- 4) (10 puntos) Traduzcan la siguiente frase a clave morse:
a. "ye shall be as gods"

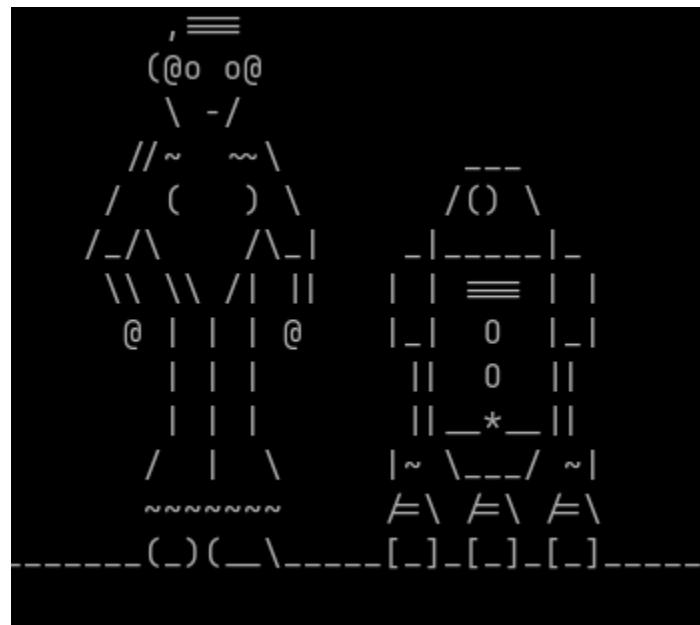
R/ Usando el comando morse se obtiene lo siguiente: -.- - - - - -

... - . . . - - - - -

```
@morse
message? ye shall be as gods
-.- . ... . . . - - - - - ...
@
```

- 5) (10 puntos) En star wars (ascii) ¿qué caracter se usa para formar el pelo de Leia?

R/ Dos @.



- 6) (10 puntos) Busquen en usenet y escojan algún post interesante

R/ Encontré un post llamado ‘Statement of the Chinese Remainder Theorem’, el cual pensé que iba a estar orientado en matemáticas, pero es solo literalmente un post que dice que los chinos serán los únicos sobrevivientes después de la revolución, lo cual me dio risa.

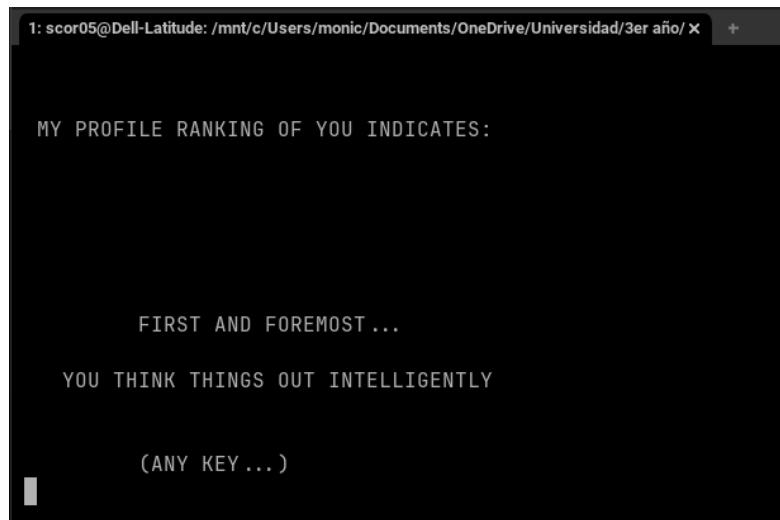
```
news> r 14
From: utzoo!decvax!harpo!ihnss!houxi!npois!alice!rabbit!ark
Subject: Statement of the Chinese Remainder Theorem
Date: Sat May  8 19:35:09 1982
Newsgroups: net.math

After the revolution,
only the Chinese will remain.

=!=__XXEND__!==
news>
```

- 7) (20 puntos) En el emulador de apple, corran el software appleteach1 y luego el programa 34, corran todo el test, cuál fue su resultado?

R/ Los resultados fueron los siguientes:



The screenshot shows a terminal window with the following text output:

```
1: scor05@Dell-Latitude: /mnt/c/Usersmonic/Documents/OneDrive/Universidad/3er año/ x +
```

```
MY PROFILE RANKING OF YOU INDICATES:
```

```
FIRST AND FOREMOST...
```

```
YOU THINK THINGS OUT INTELLIGENTLY
```

```
(ANY KEY...)
```

(ver siguiente página)

MY PROFILE RANKING OF YOU INDICATES:

NEXT ...

YOU ARE A LOVING PERSON

(ANY KEY ...)

MY PROFILE RANKING OF YOU INDICATES:

THIRDLY ...

YOU HAVE SEXUAL INCLINATIONS

(ANY KEY ...)

MY PROFILE RANKING OF YOU INDICATES:

NEXT TO LAST ...

YOU TAKE ADVANTAGE OF ANY OPPORTUNITY

(ANY KEY ...)

MY PROFILE RANKING OF YOU INDICATES:

LASTLY ...

YOU ARE RIGHTEOUS

(ANY KEY ...)

8) (5 puntos) ¿Cuanto tiempo lleva encendido el server de telehack.com?

R/ En la fecha actual (17/01/2025 a las 8:43 PM) el servidor de telehack ha estado encendido por 82 días (desde el 27 de octubre del 2025).

```
@uptime
  up 82d, since 2025-Oct-27 10:01:00

  commands: 390877113
  connects: 16179712
  system starts: 1568
  sysgen was 15.9y ago at 2010-Mar-07 22:26:00
```

9) (5 puntos) ¿Cuál fue el mejor chiste que les contó el sitio?

R/ De los chistes adjuntos en la captura, el que mejor me pareció es el de “old chemists never die, they just fail to react”, y lo digo porque es un clásico chiste tan malo que da risa.

```
What a poor appearance the tales of poets make when stripped of the colours
which music puts upon them, and recited in simple prose.
@joke
:console:: n. 1. The operator's station of a {mainframe}. In
times past, this was a privileged location that conveyed godlike
powers to anyone with fingers on its keys. Under UNIX and other
modern timesharing OSes, such privileges are guarded by passwords
instead, and the console is just the {tty} the system was booted
from. Some of the mystique remains, however, and it is traditional
for sysadmins to post urgent messages to all users from the console
(on UNIX, /dev/console). 2. On microcomputer UNIX boxes, the main
screen and keyboard (as opposed to character-only terminals talking
to a serial port). Typically only the console can do real graphics
or run {X}. See also {CTY}.
@joke
What I need is a MATURE RELATIONSHIP with a FLOPPY DISK ...
@joke
Jack & Jill...pail of water????.....Riiight!
@joke
Old chemists never die, they just fail to react.
@joke
We will have solar energy as soon as the utility companies solve one technical
problem -- how to run a sunbeam through a meter.
@joke
Our suicidal poets (Plath, Berryman, Lowell, Jarrell, et al.) spent too much
of their lives inside rooms and classrooms when they should have been trudging
up mountains, slogging through swamps, rowing down rivers. The indoor life is
the next best thing to premature burial.
@
```