

Advanced Java – Mr. Ascione

Maps – Spanish to English Converter

OBJECTIVE: This lab was designed to teach you how to use a Map.

SPEC: Read in a list of Spanish words with English equivalents and use the pairs to write a basic low level translation program. The Spanish word will be the key and the English word will be the value. Maps store <key,value> pairs.

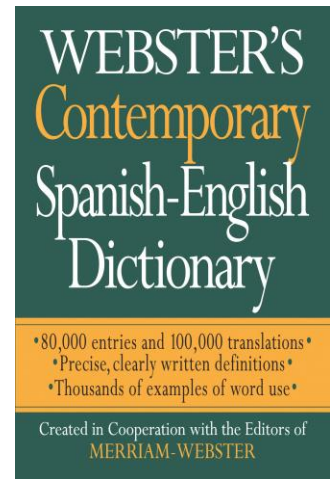
The data file contains:

- 1) The **number** of key-value pairs
- 2) A list of Spanish words and an English equivalent. (key-value pairs)
- 3) Several sentences to be translated from Spanish to English.

After you load the map, read in each sentence and translate it.

Files Needed: *SpanishToEnglish.java*
SpanRunner.java
spantoeng.dat

Expected Output: =====



```
ca. C:\Windows\system32\cmd.exe

=====  MAP CONTENTS  =====

a=to
antes=before
barco=ship
borrar=delete
cafe=brown
casa=house
comprar=buy
con=with
contaminado=corrupt
de=of
despues=after
dos=two
el=the
en=in
energia=power
es=is
fallo=bug
hambre=hunger
interno=internal
la=the
los=the
memoria=memory
mi=my
mitad=half
muchachos=boys
necesita=necessary
nosotros=we
ordenador=computer
pantalla=screen
papel=paper
pelo=hair
quieres=want
quiero=want
rearrancar=reboot
su=your
tarde=afternoon
texto=text
tienen=have
tinta=ink
todas=all
tu=you
una=a
vacio=empty
vamos=go
virus=virus
yo=i}

=====  READ LINES  =====

i want a computer virus
all of the boys have internal memory
my hair is brown
you want ink with your paper
reboot the computer to empty the screen
Press any key to continue . . .
```