

# 100 Sentences

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## 1 Dialog 1

**USR: eUZ**

eʊʒ  
eʊʒ  
hello  
hello  
‘Hello.’

**BOT: aNeUZ**

aŋeʊʒ  
aŋ- eʊʒ  
two- hello  
second hello  
‘Hello back to you.’

**USR: sA SeSAr Za**

sə ʃi:ɛʃ:ɑɪ ʒa  
sa ʃi:ɛʃ: -ɑɪ ʒa  
yes.Q fish -SG.ACC 3.SG.NOM.PRON  
yes fish it  
‘Isn’t this a fish?’

**BOT: SeSAr Za sA**

ʃi:ɛʃ:ɑɪ ʒa sa  
ʃi:ɛʃ: -ɑɪ ʒa sa  
fish -SG.ACC 3.SG.NOM.PRON no  
fish it yes  
‘Yes, it is a fish.’

**USR: ZaTHe ZaAr Yamsawat**

ʒaθe ʒaɑr !amsawat<sup>h</sup>  
ʒa -θe ʒaɑr !ams -a -wat<sup>h</sup>  
3.SG.NOM.PRON -Q 3.SG.ACC.PRON eat -3.SG.PRES -IMP  
who it eat -ing  
‘Who is eating it?’

**BOT: wlat ZaAr !amsEnwAt**

wlat<sup>h</sup> ʒaɑr !amsenwat<sup>h</sup>  
wlat<sup>h</sup> ʒaɑr !ams -ɛn -wat<sup>h</sup>  
1.SG.NOM.PRON 3.SG.ACC.PRON eat -1.SG.PRES -IMP  
I it eat -ing  
‘I am eating it.’

**USR: sAZE manin Za**

səʒe manin ʒa  
sa -ʒe manin ʒa  
yes.Q -no.q delicious 3.SG.NOM.PRON  
yes no delicious it  
‘Is it delicious?’

**BOT: manin Za ZE**

manin ʒa ʒe  
manin ʒa ʒe  
delicious 3.SG.NOM.PRON no  
delicious it no  
'No, it is not delicious.'

## 2 Dialog 2

(Loosely based on actual conversations I've had with my dad)

**USR: InsE xEnr**

mse xEnI  
ms -ε xEn -I  
have -2.SG.PRES hour -PL.ACC  
have you hour -s  
'Do you know what time it is?'

**BOT: xEnr s^insEt**

xEnI sainsEt<sup>h</sup>  
xEn -I sA- ins -εt<sup>h</sup>  
hour -PL.ACC NEG have -1.SG.PRES  
hour -s not have I  
'I don't know what time it is'

**USR: saZIm xEnr anrTHE Insa**

saʒim xEnI anθe msa  
saʒim xEn -I an -I -θe ms -a  
falling tide hour -PL.ACC twelve -PL.ACC -Q have -2.SG.PRES  
falling tide hour -s twelve -s have  
'What time is it? (*How many hours does the falling tide have?*)'

**BOT: saZIm xEnir aNir Insa**

saʒim xEnir aʒir msa  
saʒim xEŋ -ir aʒ -ir ms -a  
falling-tide hour -DU.ACC two -DU.ACC have -3.SG.PRES  
falling-tide hour -s two have  
'It is 1pm.'

**USR: Insa saZIM xEnir aNir**

msa saʒim xEnir aʒir  
ms -a saʒim xEŋ -ir aʒ -ir  
have -3.SG.PRES falling-tide hour -DU.ACC two -DU.ACC  
have falling-tide hour -s two  
'It's 1pm, yes?'

**BOT: ZE**

ʒe  
ʒe  
No  
No  
'No'

### 3 Dialog 3

**USR: ZaTHe zEIn**

ʒaθe zɛm

ʒa -θe zɛm  
3.SG.NOM.PRON -textscq 2.SG.NOM.PRON  
it ? you

‘Who are you?’

**BOT: wlat wlat**

wlat<sup>h</sup> wlat

wlat<sup>h</sup> wlat<sup>h</sup>  
1.SG.NOM.PRON 1.SG.NOM.PRON  
I I

‘I am me.’

**USR: wlat USR**

wlat<sup>h</sup> USR

wlat<sup>h</sup> USR  
I USR  
I USR

‘I am USR.’

**BOT: eUZ USR wlat AmA**

eʊʒ ʊʃr wlat<sup>h</sup> ama

eʊʒ USR wlat<sup>h</sup> ama  
hello USR 1.SG.NOM.PRON birth-parent  
hello USR I birth-parent

‘Hi USR, I’m dad.’

**USR: Umini sfˆ wlaNa**

ʊm:iɪni sfˆ wlaNa

ʊm:i -ini sfˆ wlaNa  
swim -2.SG.FUT COM 1.SG.ADP.PRON  
swim with me

‘Will you swim with me?’

**BOT: sfˆ Umiwi**

sfˆ ʊmiwi

sfˆ ʊm:i -iwi  
COM swim 1.SG.FUT  
with swim

‘I will swim with (you).’

**USR: nU ZaTHe UmiIla**

nʊ ʒaθe ʊm:iIla

nʊ ʒa -θe ʊm:i -Ila  
ALL 3.SG.NOM.PRON -Q swim -1.DU.INCL.FUT  
to what swim

‘Where will we swim to?’

**BOT: nU simUIIt**

nʊ simʊit<sup>h</sup>

nʊ simʊ -it<sup>h</sup>  
all iceberg -SG.ADP  
to iceberg

‘To the iceberg.’

**USR: sA a:wE**

sa a:wE  
sa a:wE  
yes bye  
yes bye  
'Okay bye!!'

**BOT: mElI sAfI Um:i:ni**

mElI sAfI um:i:ni  
mE lI sAfI um:i -ini  
IMP INE deep ocean swim -2.SG.FUT  
in deep ocean swim  
'Be safe/bye!'

## 4 Future improvements

One thing I wish I could've done that I wasn't able to figure out was how to dynamically answer any type of question, since 1) questions are sometimes marked by moving the VP to the beginning of the sentence, which is hard to identify without hard-coding, and 2) changing the person marking of the verb involves identifying the stem verb and swapping out the word ending, which is also hard to do using the AIML pattern matching and without just hard-coding the verb stems. Maybe AIML 2.0 or some preprocessing would do the trick.

## 5 ALISON

f:ef:aI flmsar feiet<sup>h</sup>  
f:ef: -aI flms -aI fei -et<sup>h</sup>  
fish -SG.ACC red -SG.ACC smell -1.SG.PRES  
fish red smell  
'I smell the red fish.'

ajsaʒima ʒeʒxenastus  
aj- saʒim -a ʒeʒ- xen -a -stus  
two- falling tide -ADP.SG three.ORD hour -ADP.SG -during.POST  
second- falling tide third- hour during  
'at 3 am'