

ENGR 102 – Programming Practice

Practice Session (Week 11)

Question 1

Use the encoding functions to get the following outputs from the line:

```
input = unichr(40660) + u'This is english characters' + unichr(2872)
```

Output:

黔This is english characters□

This is english characters

?This is english characters?

黔This is english charactersସ

UnicodeEncodeError: 'ascii' codec can't encode character u'\u9ed4' in position 0: ordinal not in range(128)

Question 2

Open a file with non-ASCII characters. Convert the lines in the file into ASCII format. Then save the ASCII text into a new file. You can use the “test_unicode.txt” text file provided.

Question 3

Convert a byte string (a normal string in python) into a Unicode string and back again to byte string. Compare your result with the first string.

Question 4

Create a text file that has the following line ie猫 .

Read the text file and print the length of it. Convert it into a Unicode string and print the length of it again. What happens when you want to print the 4rd character of both strings.