Python-Course

ASSIGNMENT 1

E) Find 3 differences between a compiler and an interpreter.

Compiler:

1. Compiler Takes entire program as input

2. Program needs to be complied once

3. Errors are displayed after entire program is checked

interpreter:

1. Interpreter Takes single instruction as input

2. Every time higher level program is converted into lower level program

3. Errors are displayed per instruction interpreted

F) Find the difference between Python 2 and 3.

- **print function**
  print function in Python 2.x is replaced by print() function in Python 3.x
- **Unicode**
  In Python 2, implicit str type is ASCII. But in Python 3.x implicit str type is Unicode.
- **xrange**
  xrange() of Python 2.x doesn't exist in Python 3.x

G) What is ASCII and UTF-8.

ASCII and UTF-8 are character encoding standards.