Name: _____            USC ID: _____

# INF 551 – Fall 2017 (Morning section)

## Quiz 5: File Formats (10 points), 15 minutes

1.  [5 points] Unicode code point for the Chinese character 中 (means "middle") is U+4E2D. Give its **UTF-8** encoding in both **binary** and **hexadecimal** formats.


    Hexadecimal: **E4 B8 AD**

    Binary: 1110 0100 1011 1000 1010 1101


2.  [5 points] For each JSON value in the table below, indicate if it is valid. If it is not valid, provide a reason in the last column.

| JSON Value | Valid? (Y/N) | Reason (if it is not valid) |
|---|---|---|
| {[25]} | N | You have the key but no value in JSON object |
| [25, {}, Null] | N | Null should be null |
| "name" : "john" | N | Should be inside {} |
| ["name" : 25] | N | Should be either {"name" : 25} or ["name" , 25] |
| {"name" : []} | Y | |
| ["foo", {"bar": ["baz", null, 1.0, 2]}] | Y | |
| {25: "mary"} | N | Key should be string |