Snippet 1:

```
const { createServer } = require('http');
const { parse } = require('url');
const { readFile } = require('fs').promises;

const server = createServer(async (req, res) => {
    const { pathname } = parse(req.url);

    try {
        const data = await readFile(`.${pathname}`, 'utf8');
        res.writeHead(200, { 'Content-Type': 'text/plain' });
        res.end(data);
    } catch (error) {
        res.writeHead(404, { 'Content-Type': 'text/plain' });
        res.end('File not found');
    }
});
server.listen(3000);
```

Snippet 2:

```
const { createServer } = require('http');
const { parse } = require('url');
const { readFile } = require('fs').promises;
const server = createServer((req, res) => {
 const { pathname } = parse(req.url);
 readFile(`.${pathname}`, 'utf8')
   .then((data) => {
    res.writeHead(200, { 'Content-Type': 'text/plain' });
    res.end(data);
   })
   .catch((error) => {
    res.writeHead(404, { 'Content-Type': 'text/plain' });
    res.end('File not found');
   });
});
server.listen(3000);
```

Which of the following statements are true?

Pick **ONE OR MORE** options

Both implementations will work as expected, but the error handling in Snippet 1 is better due to the use of async/await.
If the request URL pathname is /, both Snippet 1 and Snippet 2 will throw an error, as they attempt to read the file ./.
If the request URL pathname is a directory instead of a file, both implementations will throw an error and return a 404 status code.
Both implementations will return a 404 status code if the requested file has an encoding other than 'utf8.'

Clear Selection

2. String and ASCII Values

```
const fetchData = () => {
 return new Promise((resolve) => {
   setTimeout(() => {
    resolve([
      { id: 1, value: "A" },
      { id: 2, value: "B" },
      { id: 3, value: "C" },
    ]);
   }, 2000);
 });
};
const processData = async (transform) => {
 const data = await fetchData();
 return data.map((item) => transform(item));
};
const transformData = (item) => {
 const transformedValue = String.fromCharCode(
   item.value.charCodeAt(0) + item.id
 );
 return { ...item, value: transformedValue };
};
(async () => {
 const transformedData = await processData(transformData);
 console.log(transformedData);
})();
```

What is the output of the console.log(transformedData) statement?

Pick **ONE** option

- [{ id: 1, value: "B" }, { id: 2, value: "D" }, { id: 3, value: "F" }]

 [{ id: 1, value: "C" }, { id: 2, value: "D" }, { id: 3, value: "F" }]

 [{ id: 1, value: "C" }, { id: 2, value: "E" }, { id: 3, value: "F" }]
- [{ id: 1, value: "C" }, { id: 2, value: "E" }, { id: 3, value: "G" }]

Clear Selection