Course outline

Week 7: Assignment 7

The course grade for this assignment is 0%

Due on 2021-09-15, 23:59 IST

Consider the code snippet below:

```c
void fn(struct A20) {
    int x[10];
    int y[10];
    int z[10];
    int i, j, k;
    int n;
    int i, j, k;
    int n;
    for (j = 0; j < 10; j++) {
        for (k = 0; k < 10; k++) {
            if (k == j) {
                x[j] = y[j] = z[j] = 1;
            }
        }
    }
}
```

1. Consider the code snippet above. Explain how this function is implemented.

2. Given the following code snippet, what is the purpose of the `fn()` function?

```c
fn(struct A20 a) {
    int x[10];
    int y[10];
    int z[10];
    int i, j, k;
    int n;
    int i, j, k;
    int n;
    for (j = 0; j < 10; j++) {
        for (k = 0; k < 10; k++) {
            if (k == j) {
                x[j] = y[j] = z[j] = 1;
            }
        }
    }
}
```

3. Explain the purpose of the `fn()` function.

4. Consider the following code snippet and explain what it does:

```c
fn(struct A20 a) {
    int x[10];
    int y[10];
    int z[10];
    int i, j, k;
    int n;
    int i, j, k;
    int n;
    for (j = 0; j < 10; j++) {
        for (k = 0; k < 10; k++) {
            if (k == j) {
                x[j] = y[j] = z[j] = 1;
            }
        }
    }
}
```

5. What is the purpose of the `fn()` function?

6. Consider the following code snippet and explain what it does:

```c
fn(struct A20 a) {
    int x[10];
    int y[10];
    int z[10];
    int i, j, k;
    int n;
    int i, j, k;
    int n;
    for (j = 0; j < 10; j++) {
        for (k = 0; k < 10; k++) {
            if (k == j) {
                x[j] = y[j] = z[j] = 1;
            }
        }
    }
}
```

7. What is the purpose of the `fn()` function?

8. Consider the following code snippet and explain what it does:

```c
fn(struct A20 a) {
    int x[10];
    int y[10];
    int z[10];
    int i, j, k;
    int n;
    int i, j, k;
    int n;
    for (j = 0; j < 10; j++) {
        for (k = 0; k < 10; k++) {
            if (k == j) {
                x[j] = y[j] = z[j] = 1;
            }
        }
    }
}
```

9. What is the purpose of the `fn()` function?

10. Consider the following code snippet and explain what it does:

```c
fn(struct A20 a) {
    int x[10];
    int y[10];
    int z[10];
    int i, j, k;
    int n;
    int i, j, k;
    int n;
    for (j = 0; j < 10; j++) {
        for (k = 0; k < 10; k++) {
            if (k == j) {
                x[j] = y[j] = z[j] = 1;
            }
        }
    }
}
```

11. What is the purpose of the `fn()` function?

12. Consider the following code snippet and explain what it does:

```c
fn(struct A20 a) {
    int x[10];
    int y[10];
    int z[10];
    int i, j, k;
    int n;
    int i, j, k;
    int n;
    for (j = 0; j < 10; j++) {
        for (k = 0; k < 10; k++) {
            if (k == j) {
                x[j] = y[j] = z[j] = 1;
            }
        }
    }
}
```

13. What is the purpose of the `fn()` function?

14. Consider the following code snippet and explain what it does:

```c
fn(struct A20 a) {
    int x[10];
    int y[10];
    int z[10];
    int i, j, k;
    int n;
    int i, j, k;
    int n;
    for (j = 0; j < 10; j++) {
        for (k = 0; k < 10; k++) {
            if (k == j) {
                x[j] = y[j] = z[j] = 1;
            }
        }
    }
}
```

15. What is the purpose of the `fn()` function?