

Answer key for Practice Quiz 4

1. D, all of the above are true
2. 1
3. While loop
4. False. The symbol table contains the address of the location in memory at which the value can be found.
5. To warn the C compiler that a function with these properties will be defined later in the program
6. If there is no "break" statement in the code for the case that matched, that code will be executed along with the code from all further cases
7. False; parameters are matched in order
8. For loops execute a specified number of times. For event-controlled loops you do not know how many times the loop will run. You should only use for loops for counter-controlled loops.
9. Void
10. True (as far as the material we are covering in this class is concerned 😊)
11. Values for the actual parameters are retrieved from their memory locations and copied into the memory locations assigned to the formal parameters. The key word is "copied."
12. `float CalcVolume (float r) {`

```
    float pi = 3.14159;
```

```
    float v;
```

```
    v = (4.0/3) * pi * (r**3);
```

```
    return v;
```

```
}
```

13. `_x`. Variables cannot start with digits; nor can they contain special characters other than underscores
14. Actual parameters
15. It prints out the integer value 71
16. `int i, j;`

```
    for (i = 0; i < 10; i++){
```

```
        for (j = 0; j < 10; j++){
```

```
            printf("%d ", (i*10 + j));
```

```
        }
```

```
    printf("\n");
```

```
}
```

- 17. True
- 18. Function Definition
- 19. char answer;

```
char cr;
```

```
printf("Please enter one letter. Enter q to quit the program.\n");
```

```
scanf ("%c%c", &answer, &cr);
```

```
while (answer != 'q') {
```

```
    printf("Please enter one letter. Enter q to quit the program.\n");
```

```
    scanf ("%c%c", &answer, &cr);
```

```
}
```

- 20. False; any function of type void would work.