

Final Lab Quiz

CSE 126: Structured Programming Language Lab

Time: 40 min

Marks: 20

1. Which of the following is not a valid variable name declaration?

- a) int _a3;
- b) int a_3;
- c) int 3_a;
- d) int _3a;

2. What is the size of an int data type?

- a) 4 Bytes
- b) 8 Bytes
- c) 2 Bytes
- d) 10 Bytes

3. Which is correct with respect to the size of the data types?

- a) char > int > float
- b) int > char > float
- c) char < int < double
- d) double > char > int

4. What will be the output of the following C code?

```
#include <stdio.h>
int main()
{
    int a = 1, b = 1, c;
    c = a++ + b;
    printf("%d, %d", a, b);
}
```

- a) a = 1, b = 1
- b) a = 2, b = 1
- c) a = 1, b = 2
- d) a = 2, b = 2

5. What will be the output of the following C code?

```
int main()
{
    int i = 2;
    int j = ++i + i;
    printf("%d\n", j);
}
```

- a) 6
- b) 5
- c) 4
- d) Compile time error

6. Which of the following is not an arithmetic operation?

- a) a *= 10;
- b) a /= 10;
- c) a != 10;
- d) a %= 10;

7. Which among the following are the fundamental arithmetic operators, i.e., performing the desired operation can be done using that operator only?

- a) +, -
- b) +, -, %
- c) +, -, *, /
- d) +, -, *, /, %

8. Which of the following is an invalid if-else statement?

- a) if (if (a == 1)){} b) if (func1 (a)){} c) if (a){}
- d) if ((char) a){}

9. What will be the output of the following C code?

```
int main()
{
    int x = 1;
    if (x > 0)
        printf("inside if\n");
    else if (x > 0)
        printf("inside elseif\n");
}
```

- a) inside if
- b) inside elseif
- c) inside if inside else if
- d) error

10. What will be the output of the following C code?

```
void main()
{
    int x = 0;
    if (x == 0)
        printf("hi");
    else
        printf("how are u");
    printf("hello");
}
```

- a) hi
- b) how are you
- c) hello
- d) hihello

11. The C code 'for(;;)' represents an infinite loop. It can be terminated by -

- a) break
- b) exit(0)
- c) abort()
- d) terminate

12. What will be the output of the following C code?

```
void main()
{
    int k = 0;
    for (k < 3; k++)
        printf("Hello");
}
```

- a) Compile time error
- b) Hello Hello Hello
- c) Nothing
- d) Varies

13. What will be the output of the following C code?

```
int main()
{
    int i = 0;
    for (; ; )
        printf("In for loop\n");
        printf("After loop\n");
}
```

- a) Compile time error b) Infinite loop
c) After loop d) Undefined behavior

14. What will be the output of the following C code?

```
void main()
{
    double k = 0;
    for (k = 0.0; k < 3.0; k++)
        printf("Hello");
}
```

- a) Run time error
b) Hello is printed thrice
c) Hello is printed twice
d) Hello is printed infinitely

15. What will be the output of the following C code?

```
int main()
{
    int ary[2][3];
    ary[][] = {{1, 2, 3}, {4, 5, 6}};
    printf("%d\n", ary[1][0]);
}
```

- a) Compile time error b) 4
c) 1 d) 2

16. What are the elements present in the array of the following C code?

```
int array[5] = {5};
```

- a) 5, 5, 5, 5, 5
b) 5, 0, 0, 0, 0
c) 5, (garbage), (garbage), (garbage), (garbage)
d) (garbage), (garbage), (garbage), (garbage), 5

17. What will be the output of the following C code?

```
void main()
{
    int a[2][3] = {1, 2, 3, , 4, 5};
    int i = 0, j = 0;
    for (i = 0; i < 2; i++)
        for (j = 0; j < 3; j++)
            printf("%d", a[i][j]);
}
```

- a) 1 2 3 junk 4 5 b) error
c) 1 2 3 0 4 5 d) 1 2 3 3 4 5

18. What is the result of a logical or relational expression in C?

- a) True or False b) 0 or 1
c) 0 and 1 d) None

19. What will be the output of the following C code?

```
void main()
{
    int a = 5 * 3 + 2 - 4;
    printf("%d", a);
}
```

- a) 13 b) 14
c) 12 d) 16

20. Which among the following is NOT a logical or relational operator?

- a) != b) ==
c) || d) =