

# Quiz on Functions.

Total points 36/40 ?

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✓ 1. Choose a correct statement about C Function? \*

2/2

```
void main() {  
    printf("Hello");  
}
```

- ☐ "main" is the name of default must and should Function
- ☐ main() is same as int main()
- ☐ By default, return 0 is added as the last statement of a function without specific return type
- ☒ All the above



✓ 2. A function which calls itself is called a \_\_\_ function. \*

2/2

- ☐ Self Function
- ☐ Auto Function
- ☒ Recursive Function
- ☐ Static Function



✓ 3. The keyword used to transfer control from a function back to the calling function is

\*2/2

- ☐ a) switch
- ☐ b) goto
- ☐ c) go back
- ☒ d) return



✓ 4. How many times the program will print "Algbly"? \*

2/2

```
int main()
{
    printf("Algbly");
    main();
    return 0;
}
```

- ☐ a) Infinite times
- ☐ b) 32767 times
- ☐ c) 65535 times
- ☒ d) Till stack overflows



✗ 5. Determine Output : \*

0/2

```
void show() {  
    printf("PISTA ");  
}  
int main() {  
    printf("CACHEW ");  
    return 10;  
    show();  
}
```

- ☐ a) CACHEW
- ☒ b) CASHEW PISTA ✗
- ☐ c) PISTA CASHEW with compiler warning
- ☐ d) Compiler error

Correct answer

- ☒ a) CACHEW

✗ 6. Choose correct statements about C Language Pass By Value. \*

0/2

- ☐ a) Pass By Value copies the variable value in one more memory location
- ☐ b) Pass By Value does not use Pointers
- ☒ c) Pass By Value protects your source or original variables from changes in outside functions or called functions ✗
- ☐ d) All the above

Correct answer

- ☒ d) All the above



✓ 7. What characters are allowed in a C function name identifier? \* 2/2

- ☐ a) Alphabets, Numbers, %, \$, \_
- ☒ b) Alphabets, Numbers, Underscore ( \_ )
- ☐ c) Alphabets, Numbers, dollar \$
- ☐ d) Alphabets, Numbers, %



✓ 8. Arguments passed to a function in C language are called \_\_\_\_ arguments. \*2/2

- ☐ a) Formal arguments
- ☒ b) Actual Arguments
- ☐ c) Definite Arguments
- ☐ d) Ideal Arguments



✓ 9. Choose a correct statement about C language function arguments. \* 2/2

- ☐ a) Number of arguments should be same when sending and receiving
- ☐ b) Type of each argument should match exactly
- ☐ c) Order of each argument should be same
- ☒ d) All the above



✓ 10. Choose a non Library C function below. \*

2/2

- ☐ a) printf()
- ☐ b) scanf()
- ☐ c) fprintf()
- ☒ d) printf4()



✓ 11. What is the default return value of a C function if not specified explicitly?

\*2/2

- ☐ a) -1
- ☒ b) 0
- ☐ c) 1
- ☐ d) None of the above



✓ 12. Uses of function \*

2/2

- ☐ a) Helps to avoid repeating a set of statements many times
- ☐ b) Enhances the logical clarity of the program
- ☐ c) Helps to avoid repeated programming across programs
- ☐ d) Makes the debugging task easier
- ☒ e) All of the above



- ✓ 13. What will be the value returned by the following function, when it is called with a value 11? \*2/2

```
int recur(int num)
{
    if((num/10) != 0)
        return(recur(num/10) * 10+num%10);
    else
        return 1;
}
void main() {
    printf("%d", recur(11));
}
```

- ☐ a) Function does not return any value, because it goes into an infinite loop
- ☒ b) 11 ✓
- ☐ c) 1011
- ☐ d) None of these

- ✓ 14. What is the output of C program with pointers. \* 2/2

```
int main() {
    int a = 20;
    //a memory location = 1234
    printf("%d %d %d", a, &a, *(&a));
    return 0;
}
```

- ☐ a) 20 20 20
- ☐ b) 20 1234 1234
- ☒ c) 20 1234 20 ✓
- ☐ d) 20 20 20



✓ 15. What is the output of C program with functions? \*

2/2

```
int main()
{
    int a = 20;
    printf("CINEMA ");
    return 1;
    printf("DINOSAUR ");
    return 1;
}
```

- ☐ a) CINEMA DINOSAUR
- ☒ b) CINEMA
- ☐ c) DINOSAUR
- ☐ d) Compiler error



✓ 16. What is the output of C program with functions? \*

2/2

```
int sum(int x)
{
    int k = 1;
    if(x <= 1)
        return 1;
    k = x + sum (x - 1);
    return k;
}

void main()
{
    printf("%d", sum(4));
}
```

- ☒ a) 10
- ☐ b) 11
- ☐ c) 12
- ☐ d) 15



✓ 17. A recursive function is faster than \_\_ loop. \*

2/2

- a) for
- b) while
- c) do while
- d) None of the above

- ☐ a) for
- ☐ b) while
- ☐ c) do while
- ☒ d) None of the above
- ☐ e) All the above





- ✓ 18. What error would the following function give on compilation ? \* 2/2
- ```
f(int a,int b)
{
  int a;
  a = 20;
  return a;
}
```
- ☐ Missing parentheses in return statement
- ☐ Function should be define as int f(int a,int b)
- ☒ Redeclaration of a ✓
- ☐ No error

- ✓ 19. It is necessary to declare the type of a function in the calling program if the function \*2/2
- ☐ A. Returns an integer
- ☒ B. Returns a non-integer value ✓
- ☐ C. Is not defined in the same file
- ☐ D. None of these

- ✓ 20. Running out of memory may occur due to \* 2/2
- ☐ A. Non-recursive call
- ☒ B. Recursive function call ✓
- ☐ C. Use of more extern variable
- ☐ D. None of these



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