

**CS201: Introduction to Programming.**

**Quiz No. 1**

**24 November 2014.**

1) Return type of a function that does not return any value must be \_\_\_\_\_. Select correct option:

char

int

**void**

double

2) A function's prototype is written \_\_\_\_\_ the function call. Select correct option:

After

**Before**

With

At the end of

3) What will be the size of the following character array? char name[] = "Adeel"; Select correct option:

**5**

6

4

7

4) In switch statement there can be \_\_\_\_\_ default statements. Select correct option:

1

2

3

4

5) \_\_\_\_\_ will be used for enclosing function statements into a block. Select correct option:

" "

()

```
[]  
{}
```

6) From following; which one is the correct syntax of an array initialize: Array size is 10 and it is of double data type to value 0?

Select correct option:

arr[10] = {0.0};

double arr[10]= 0.0;

**double arr[10] = {0.0};**

double arr[] = 0.0;

7) Which of the function call is call by value for the following function prototype? float add(int); Select correct option:

add(&x);

**add(x);**

add(int x);

add(\*x);

8) A function is a block of statements that can be defined once and used \_\_\_\_\_ in the program.  
one time

2 time

three time

as many times as user wants

9) What will be the size of following array? int arr[29]

0

30

29

18

10) Which of the following function call is “call by reference” for the following function prototype? int add (int \*)

add(&x);

add(int x);

add(x);

**add(\*x); \***

11) The string in the array is terminated by a \_\_\_\_\_

0  
nil  
**null \***  
on

12) If statement is used to terminate the processing of a particular case and exit from switch structure.

if  
goto  
break  
continue  
break i think

13) will be used for enclosing function statements into a block.

""  
( )  
[]  
{ } \*

14) Default mechanism of calling a function by passing it array is call by \_\_\_\_\_ and in case of passing variable is call by \_\_\_\_\_

Reference, Reference  
**Reference, value \***  
Value, Reference  
Value, Value

15) What is the output of the following code, if the first case is true switch (var) { case 'a': cout<<"apple"<<endl; case 'b': cout<<"banana"<<endl; case 'm': cout<<"mango"<<endl; default: cout<<"any fruit"<<endl; }

apple  
apple anyfruit  
**apple banana mango \***  
none of above

16) Null character is represented by \_\_\_\_\_ in C++.

/0  
**\0 \***  
\n  
\t

17) The string in the array is terminated by a \_\_\_\_\_

zero

nil

**null**

one

18) We can define a matrix as \_\_\_\_\_ array.

Sorted

Unsorted

Single dimensional

**Multi dimensional \***

19) \_\_\_\_\_ character is used to indicate the end of the string.

string

**New line \***

Blank space

Null

20) In call by reference, \_\_\_\_\_ of a variable is passed to the called function.

Name

**Data type \***

Value

Address

21) A function's prototype is written \_\_\_\_\_ the function call.

After

**Before \***

22) Characters of a string stored in an array can be accessed directly using array \_\_\_\_\_.

**Manipulation \***

Superscript

Postscript

Subscript

23) Null character is used to indicate the \_\_\_\_\_ of string.

start

**end \***

begin

middle

24) If an array has 50 elements, what is allowable range of subscripts?

**0 – 49 \***

1 – 49

0 – 50

1 – 50

**25) Return type of a function that does not return any value must be \_\_\_\_\_.**

char

int

**void \***

**26) What is the output of the following code if the 3rd case is true switch (var) { case 'a': cout<<"apple"<<endl; case 'b': cout<<"banana"<<endl; case 'm': cout<<"mango"<<endl; default: cout<<"any fruit"<<endl; }**

**mango \***

mango any fruit

apple

1. What is the correct syntax to declare an array of 15 elements of type float?
2. From the following; which one is the range of Random number generator function rand()? **(0 and 32767) Ans**
3. When No. of repetition is known then we use the \_\_\_\_\_ structure to perform repetition tasks **(while loop) Ans**
4. Loops are \_\_\_\_\_ Structure **(Repetition)Ans**
5. When the break statement is encountered in a loop's body, it transfers the control \_\_\_\_\_ from the current loop.  
**(When a break statement is encountered in a loop, the loop terminates immediately. The control exits the inner most loop if there are nested loop) ans**
6. By default, the starting index of an array in C++ is \_\_\_\_\_ **(zero)Ans** (starting point is zero and ending point is less than one)
7. A while loop may execute \_\_\_\_\_ or more times.**(Zero)Ans**
8. In C/C++, by default arguments are passed by \_\_\_\_\_ to a function (value) I think value but not confirmed
- 9: If we pass more than one arguments to a function then they are separated by \_\_\_\_\_.  
**Comma ,**

- 10: Which of the following function call is "call by reference" for the following function prototype? `int add (int *);`  
**add(\*x);**
- 11: \_\_\_\_\_ statement is used to terminate the processing of a particular case and exit from switch structure.  
**if**
- 12: What is the output of the following code if the 3rd case is true `switch (var) { case 'a': cout<<"apple"<<endl; case 'b': cout<<"banana"<<endl; case 'm': cout<<"mango"<<endl; default: cout<<"any fruit"<<endl; }`  
**mango**  
**any fruit**
- 13: How many times the following do-while loop will execute? `int k = 10; do { cout<<"Statements" <<endl; k -= 2; } while(k>0);`
- 14: Using a segment of source code again by adding new functionalities with slight or no modification is termed as \_\_\_\_\_.  
**Code modification**
- 15: While loop becomes infinite in which scenario \_\_\_\_\_.  
**When the condition is always False**
- 16: \_\_\_\_\_ are used to compile the code.  
**compiler**
- 17: In do while loop the condition is checked \_\_\_\_\_ one execution of loop.  
**after**
- 18: Which of the following will be the most appropriate data type to store the value 63.547?  
**Float**
- 19: The result of  $4\%3$  will be
- 20: It is the job of \_\_\_\_\_ to transfer the executable code from hard disk to main memory.  
**Loader**
- 21: Compiler translates high level language program into \_\_\_\_\_ language code  
**Machine**
- 22: In call by reference, \_\_\_\_\_ of a variable is passed to the called function.  
**address**
- 23: What will be the output of the following while loop? `int counter = 0 ; while(counter < 15)`

```
cout << counter << " "; counter++;
```

**Compile time error**

24: \_\_\_\_\_ Loop executes atleast one times.

**do while**

25: In which language the compiler of C language is written? **C**

26: According to c++ norms; the first character of a variable name must be an alphabet or

**Special character**